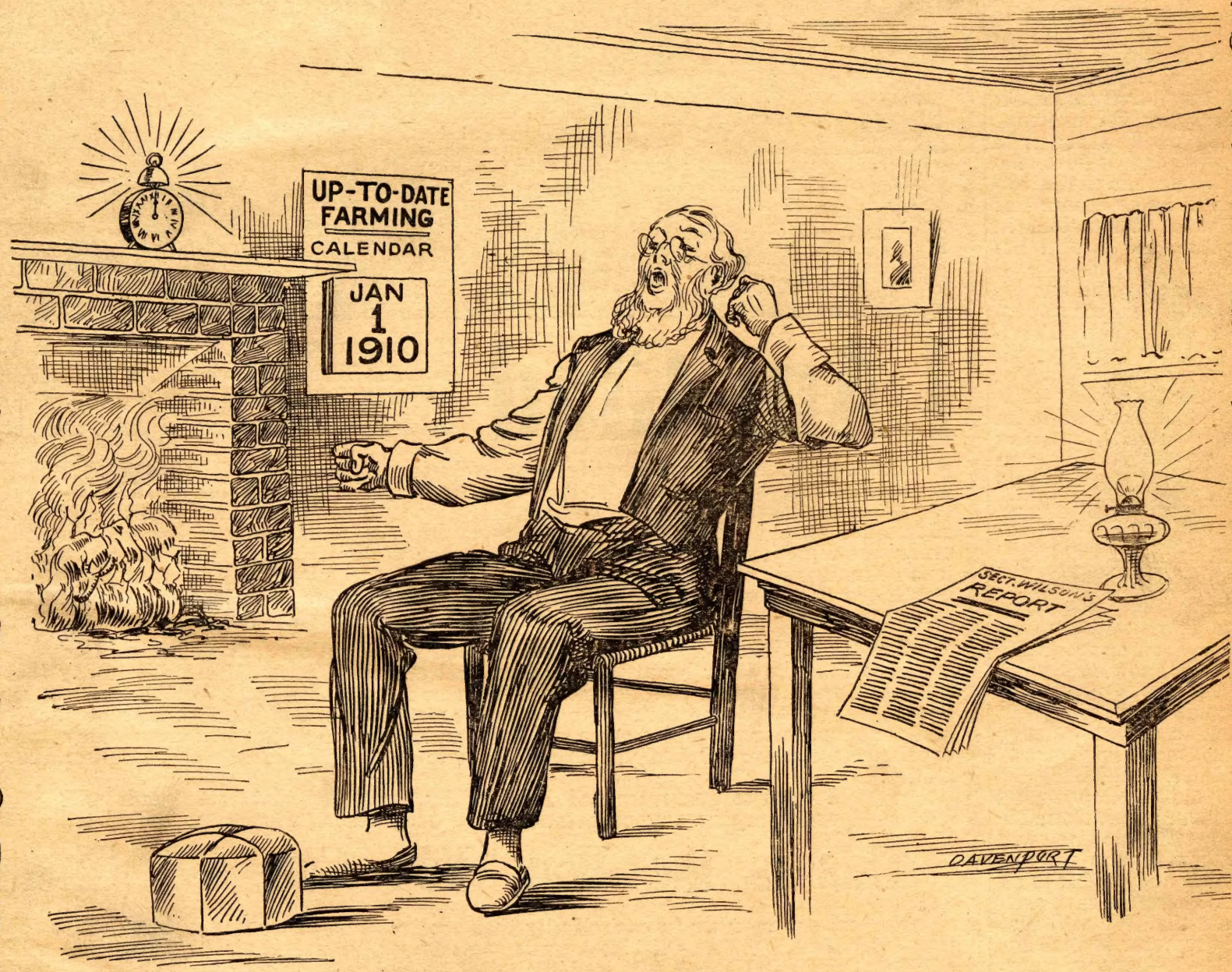
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Up-To-Date FARMING

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA JANUARY 1, 1910 | Number 1

WAKING UP



"FARMING—It has paid off mortgages, it has established banks, it has made better homes, it has helped to make the farmer a citizen of the world, it has provided him with means for improving his soil and making it more productive."—Secretary Wilson.

Who owned the mortgages and got the money? Who owns the banks and reaps the profits from them? Whose homes are made better? Who, except during political campaigns, recognizes the farmer as a citizen of the world? . . . Our intimate relations with the farmers of the country and our personal knowledge of their surroundings, better than some years ago, we are glad to admit, but not what they ought to be, justify the above questions.

Farmers are apt to be lulled to sleep by the totals of agricultural products, but it is the purpose of this paper to wake them up by such articles as "Farming Again Leads the Wealth Producing World" on page 3.

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

1910 ANNOUNCEMENT

IMPORTANT TO SUBSCRIBERS

Read This Carefully

There is no other paper like this one — Up-to-Date Farming —printed. There is not another farm paper that teaches a simple, practical and successful way to control and market farm crops to compel profitable prices to the producers thereof. There are many papers that teach the producing side of agriculture but only one, this one, that teaches the marketing or distributing side. It must be plain to very person who will give a minute of thought that marketing profitably is even more important than producing larger crops.

This paper will surpass itself in 1910. It has a great multitude of new subscribers, at the beginning of this year, who have never learned the new lessons of marketing. And it is adding to this multitude at the rate of about 30,000 a month We propose to teach this year, in volume No. XIII, all that we taught in volumes V to XII inclusive —1902 when we first began to teach the new plan down to the end of 1909. In other words volume XIII will be an epitome of all the valuable instructions in marketing farm crops, that has gone before.

Stop, dear reader and consider what all of this means to you. Can we not claim that UP-TO-DATE FARMING for 1910 will be the most valuable volume of any farm paper ever printed? It will be a complete education on the marketing side of farming with the way to put the plan taught to practical use. You cannot get this elsewhere; in no other farm papers, in no agricultural college, from no experiment station nor from the United States Department of Agriculture. But when you get the successful plan of marketing to secure profitable prices, from this paper, all the knowledge you have acquired about producing large crops will be multiplied in value to you, **because, then large crops will not make low prices.**

UP-TO-DATE FARMING, for 1910, will be a cyclopedia on marketing farm crops. To make it the most valuable we will print an index to the volume next December and send it to all subscribers. Therefore save each number carefully. We will also help each subscriber to bind his volume. In such shape we guarantee it will be the most valuable work on agriculture you can obtain and a volume that your children will read with pleasure and great profit. Don't lose a single number.

IF A SINGLE OLD SUBSCRIBER HAS FAILED TO RENEW HIS SUBSCRIPTION THIS STATEMENT OF WHAT THE 1910 VOLUME WILL BE SHOULD DECIDE HIM TO SEND IT AT ONCE.



I Am Glad

To Announce a Brand New Series of Flower Post Cards That I Have Named "FRIENDSHIP FAVORS," and I Want to Send 15 of Them to Each Family That Receives This Paper, at Once

I HAVE given millions of beautiful post cards to subscribers to UP-TO-DATE FARMING. These cards were in a class of their own, and superior to those that could be obtained from other publishers. Our great multitude of readers know this is true, and tens of thousands of families depend exclusively on me for their post cards, which have become a necessity in every well-regulated home and with every member of the family. All of these families, and tens of thousands of new ones that have subscribed for UP-TO-DATE FARMING the past month or two will welcome the announcement I made above. And knowing how beautiful the cards were that I sent them before, they will hasten to embrace this offer.

I am not going to try to fully describe these new creations. It would be useless, because I cannot describe their beauty, fascination and appropriateness. Suffice it to say that each card portrays a popular beauty among flowers and most of them have the sentiment of the flower, or greeting or other appropriate words. In artistic arrangement of the designs and gorgeous coloring, with twelve printings and embossing they just simply have not been equalled heretofore. YOU MUST SEE THEM to appreciate their beauty, richness and desirability.

I want to guarantee and I do hereby guarantee that these cards will even surpass any expectations you may have, when you see them

This is the Way You Can Get Them

To just one member in each family that receives this paper and who agrees to show my new FRIENDSHIP FAVORS post cards to at least five neighbors in accordance with MY GREAT CARD OFFER, I will send the set of 15 and tell you how you can get 50 more just as beautiful, no two alike, and all FREE.

You'd better not miss this offer. When you see what I will send you, you will be surprised and astonished at my liberality. That is what I seek, because then you will take as much pleasure in doing what I ask as I will in sending these new cards to you in advance of any of your friends having them.

Fill out the coupon and send right away and you will get the full set by return mail.

J. A. Everitt, Editor Up-to-Date Farming, Indianapolis, Ind.

Mr. J. A. Everitt, Editor, 1-1-10
Indianapolis, Ind.:

Please send me the 15 FRIENDSHIP FAVORS post cards as offered. I agree to show them to at least five of my neighbors in accordance with your GREAT CARD OFFER in UP-TO-DATE FARMING. I enclose 10 cents in cash or stamps, as a guarantee that no other member of my family will embrace this offer.

I send this order with the understanding that the cards are all that you represent them to be.

Name .....

R. R. ... P. O. ..... State .....

UP-TO-DATE FARMING

Representing the Organized or Co-operating Farmers of America

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Volume XIII | INDIANAPOLIS, INDIANA, JANUARY 1, 1910 | Number 1

Farming Again Leads the Wealth Producing World

But Who Has The Profits?

SECRETARY Wilson once more figures out a big thing for the farmers of the United States. Indeed, he makes bigger figures for 1909 than he has ever made before, and that is stepping pretty far out into the uncountable. As an exchange well remarks, the value of farm products is so incomprehensibly large that it has become merely a row of figures. For 1909 the total is placed at $8,760,000,000, a gain of $869,000,000 over that of 1908. That is as many dollars as there are seconds in 240 years, and more. It is truly uncountable, incomprehensible and unknowable. It means that the farmers of the United States created $240 of new wealth every second of the year 1909; and since they did not much exceed eight months in making and harvesting the crops, and worked only during the hours of daylight, they must have created $720 every second of the time they worked, $43,200 every minute and $2,592,000 every hour.

The Secretary figures $70,000,000,000 as the wealth produced by the farmers in eleven years, and almost double the annual product in that time, the annual production at the beginning of that period being $4,417,000,000, and at its close the sum given above, 8,760,000,000.

Referring to farming, the Secretary says: "It has paid off mortgages, it has established banks, it has made better homes, it has helped to make the farmer a citizen of the world, and it has provided him with means for improving his soil and making it more productive."

We do not wish to be cynical, but the questions force themselves upon us: Who owned the mortgages and got the money? Who own and reap the profits of the banks? Whose homes are made better? Who, except during campaigns, recognize the farmer as a citizen of the world? Especially ask Aldrich and Cannon, whose interests are most carefully and most arbitrarily guarded in our national lawmaking body. Our intimate relations with the farmers of the country, and our personal knowlege of their homes and surroundings, better than some years ago, we are glad to admit, but not what they ought to be, justify the questions even in an article like this.

Corn truly is king, and has not a rival in the agricultural world. The value of the crop of 1909 is given as $1,720,000,000. This is said to nearly equal the value, as shown by the census, of the clothing and adornments of 76,000,000 people. And this great wealth grew out of the soil at the touch of the farmer in 120 days, $15,000,000 a day!

Cotton is queen. It is now the second crop in value in this country, and this year's crop is the most valuable oue ever produced—not the largest in quantity of cotton, but the greatest in value because of the higher price. The price of cotton November 1 was 13.7 cents, and that of cotton seed was $25 per ton, both totaling for the crop of 1909, $850,000,000.

Wheat is third in value, the crop of 1909, being worth about $725,000,000, which exceeds in value all previous crops, price not quantity again building up the value. The November price of wheat is put at a dollar a bushel, the highest at that time since 1881. The crop of 1909 was third in point of size.

The production of all cereals combined is 4,711,000,000 bushels, an amount considerably greater than that for any other year except 1906. It exceeds the average of the preceding five years by 6.5 per cent. The value of all cereals in 1909 has never been equaled in a previous year. It is almost exactly $3,000,000,000, or 34 per cent above the five-year average. This is the year of highest production for potatoes, tobacco, beet sugar, all sugar and rice; next to the highest production for corn, oats and all cereals. Compared with 1908, gains in value are found all along the line, the exceptions being barley, buckwheat, rye and milk. The increase for cotton, lint and seed is $208,000,000; wheat, $107,000,000; corn, $105,000,000; hay, $29,000,000; oats, $22,000,000; tobacco, $18,000,000; potatoes, $15,000,000. Note that these figures are the gains. Without specifying further, the following table shows the values given by the Secretary to the different crops:

Corn	$1,720,000,000
Cotton	850,000,000
Wheat	725,000,000
Hay	665,000,000
Poultry and eggs (estimated)	665,000,000
Oats	400,000,000
Potatoes	212,000,000
Tobacco	100,000,000
Sugar	95,000,000
Barley	88,000,000
Flaxseed	36,000,000
Rice	25,000,000
Rye	23,000,000
All crops	$5,700,000,000
Animal products	3,060,000,000
Total	$8,760,000,000

These figures are given by Mr. Wilson as the farm values, the values of the crops resulting from the prices paid the farmers. They look large, and they are large, something the farmers and the country may be justly proud of. But, divided among the seven million farms of the United States, they lose nothing of their significance, but they do lose much of their apparent enormity. The cultivated crops brought little more than $800 to the farm, and the animal products a little more than $400, making a total value to the farm of less than $1,300. Taking into account that there is an average of about five persons to the farm, and that about half of these products were not sold at all, but were used on the farms, and considering the further fact that few farmers received the average price at which the values were estimated, the farmer's share of the wealth he created, dwindles into a sum not at all startling.

There is another view of this case which is of more than passing interest to the consumers or users of farm products and articles made from them. If the crops were worth eight billion dollars at the prices paid the farmers, what were they worth at the prices charged the consumers? If Secretary Wilson could give us these figures, he would have columns much more startling than those already given, and it would be an excellent "follow up" of his investigation of the wholesale and retail prices of meats and meat producing animals

National Bond Issues

THE United States came out of the civil war with a heavy bonded indebtedness. These bonds were eagerly purchased by what has been aptly called "predatory wealth," and were made the basis for issuing the notes of corporations to circulate as United States money or authorized currency. The issuers were paid by the government a percentage of interest on the bonds, and were given the notes to loan at whatever interest they could compel the needy to pay.

For some years after the close of the war the government paid these bonds as they matured, and as the national indebtedness was thus reduced, the supply of bonds ran short. Since then all sort of pretexts have been sought for the issuance of more bonds, and more bonds have been issued by various administrations. There are now up more schemes than ever. From $10,000,000 to $31,000,000 are demanded by the irrigation congress to increase production in the West at the expense of all the rest of the country. The dry farming congress is asking for $50,000,000;; and the river and harbor improvement congress wants $500,000,000. Where is it all to end? Every dollar of bonds the government issues is a surrender to capital of that much of the national sovereignty, and it is a mortgage of that value on every citizen property owner of the country. If legitimate revenues cannot be raised to meet national expenses and finance material enterprises, vut down the expenses and limit the enterprises. Steer clear of bond issues.

STARTLING CONDITION OF THINGS

PERHAPS never in the history of the world was there such an uncovering of fraud, speculation and reckless management in financial affairs. The sugar frauds, the packing house scandals, insurance graft, steel trust extortion, railroad rebates and overcharges,—these are but samples. Corruption is seen almost everywhere, various governmental affairs not being free from it, as evidenced by acknowledged complicity in the sugar frauds, and in the charges that come from the far West.

But why does UP-TO-DATE FARMING make of these things editorial subjects? Because the people ought to know about them. There was no doubt as great evils in the ancient nations that were crushed beneath the weight of their own corruption; but there was no means of publicity then, and the people did not know. The unknown evils that unsuspectedly eat away the life are the ones that kill. In the old ages the masses fed on whatever was given them, and lived until the vital cord was broken, and then came chaos. In this age of intelligence, if the people do not know it is the fault of those who should tell them; and governments composed of intelligent people never perish of evils that are known. Means are always found to overthrow known evils.

Besides, there is a lesson in these exposures of evil practices, particularly for the farmers of the country. Our very highest national authority on that subject declares the tillers of the soil are the greatest wealth producers of our people, and that, too, without minimizing any of our other industries, great or small. A class that can create eight billions of wealth in a year, in less than a year, practically during the farming season, deserve to be heard. And they are able to make themselves heard—if they will. They create that immense wealth, and it is theirs. They are under no obligation to part with it, or even to share it with others, except on their own terms.

While trusts, and corporations, and financial institutions have their hands and coffers wide open to gather in the wealth the soil and pastures produce, what are the farmers doing to retain for themselves a just and reasonable proportion thereof? A knowledge of what is going on in the corporate and financial world, ought to be the greatest possible stimulus toward genuine, earnest, sincere and emphatic farm organization, honestly based on the principle of "equity in all the business relations of life." That is the way for the farmers to make their power felt, and it is the only way. We are not narrow enough to say that such organization must be of a certain form, or that it must be directed by certain men. We have all the time striven for an organization as broad as the farms of the nation, as extended as the crops they produce, and as great as the wealth those who till them create.

Such an organization, grounded in Equity, could say even to the corporations and trusts, to all combinations of evil: "Thus far shalt thou go and no farther." Based on Equity, it could not be a power of abolition or destruction. It would not destroy any of the interests or institutions. It would simply eliminate the evils, and secure to the millions engaged in the one great calling, the things that truly are theirs, and see to it that justice is done everybody else.

ONE WOULDN'T

IN the trial of the sugar trust fraud case, Richard Parr, a deputy surveyor of customs, testified that, after the discovery of the trick scales that had robbed the government of thousands of dollars, he was approached by the dock superintendent, who said to him: "All you've got to do is to name your price, report the scales out of order, and let this thing drop; I've fixed up government employes before now, and there is no necessity of starting anything now."

But Mr. Parr refused to name a price and reported the fraud to the authorities. There are many officials in the same position that Parr held, and they must have known the same things that Parr knew. Are we to infer that they all "named their price" and were "fixed?" Then what shall we think of the public service? What else can it be so long as the public places are filled by men who best serve politicians in their campaigns for office, rather than by those best fitted to serve the people?

129099
Feb. 18. 1929.

Why Meats Sell High

The Poor Pay the Greatest Profits

SECRETARY Wilson's report makes some startling disclosures. That part of it referring to the retail prices charged for meats, as well as the prices paid farmers for beef stock, is especially interesting, and sustains Up-to-Date Farming in its contention that the farmers are not responsible for the high cost of living, the high price to consumers being made on the road between them and the farmers, and after the stuff has left the farmers' hands. We give a summary of this part of the report as compiled by the Woman's National Daily, St. Louis:

Poor people pay nearly twice as much profit on the beef they buy as do rich people. Low-priced meat is marked up nearly twice as much relatively as high-priced meat. Secretary of Agriculture Wilson announces these facts in his annual report. The statements are made as a result of a unique investigation, the details of which will be especially interesting to our readers because they have been discussing the question: "Who Gets the Profits From Meat?"

Through the bureau of animal industry, Secretry Wilson made inquiries in 50 cities of all sizes and in all parts of the country respecting the increases of wholesale prices of meat when sold at retail. For these 50 cities the total retail cost charged to customers above the wholesale cost paid by the retailers is 38 per cent. In five cities the rate of increase is 20 per cent or under; in 10 cities, 21 to 30 per cent; in 12 cities, 41 to 50 per cent; and in 11 cities, over 50 per cent. The average retail price exceeded the average wholesale price by 31.4 per cent in the north Atlantic states; by 38 per cent in the South Atlantic states; by 38 per cent in the north central; 39.4 per cent in the western, and the highest increase was found in the south central states, 54 per cent.

A gross profit of 20 per cent was found in New York City and in Philadelphia, 28 per cent in Buffalo, N. Y., 36 per cent in Boston, Mass., 17 per cent in Baltimore, Md., 42 per cent in Washington, D. C., 46 per cent in Chicago, Ill., 25 per cent in Cincinnati, O., 23 per cent in Omaha, Neb., 28 per cent in Kansas City, Mo., 27 and 35 per cent in Minneapolis and St. Paul, Minn., 40 per cent in Milwaukee, Wis., and Detroit, Mich., 39 per cent in St. Louis, Mo., 65 per cent in Mobile, Ala., 39 per cent in San Francisco, 24 per cent in Seattle, and 37 per cent in Denver, Colo. The lower the grade of beef the greater percentage of gross profit. In Boston, for illustration, the rate of gross profit is nearly twice as great for beef costing 8 cents at wholesale as for beef costing 11 and 11½ cents. Further more, customers choose the higher priced cuts of meats. Steaks and roasts are the preferences, and these must have names that are regarded as respectable. Consequently, one-fifth of the carcas is bought at the highest price—porterhouse steaks at prices as high as 25 and 30 cents a pound, sirloin at 20 and 25 cents, and rib roasts at 20 cents.

The ascending prices of meat suggest inquiry as to whether the prices of the farmer's beef cattle and hogs have increased at the farm in the same degree that meat has to the consumer. Investigation convinces the Secretary that "the farmer has failed to receive higher beef prices." The price of the best native steers, at the Chicago Stock Yards, he finds, is much above the price of the animal at the farm. The inference is that the farmer gets some return for the high-priced corn that he feeds to his steers, but not a return equal to 60 cents a bushel for his corn, which is the price for the last two years. As for the unfed steers, it does not participate in the upward movement of prices in its farm value.

The foregoing conclusions are for fresh meat. The prices of cured and prepared meats have increased, both for beef and pork. These cured meats include bacon, pickled beef, pickled pork and lard.

Not Enough Farm Products

THE farm products imported into this country during the 1908 fiscal year amounted to $540,000,000, forty millions more than half a billion. That is an immense quantity, and represents no insignificant sum had it been divided among the farmers of the United States. And yet this sum, great as it is, is $14,000,000 less than it was in 1906, and $87,000,000 less than it was in 1907. This indicates that we are gaining in the matter of supplying our own needs, but all of that half a billion dollars paid for foreign products ought to be kept at home.

Of the farm products thus imported into the United States last year, $177,000,000 came from Europe, $140,000,000 from countries in North America outsides of the United States, $112,000,000 from Asia, and $111,000,000 from the other three grand divisions. The greatest percentage of gain is in the products imported from Africa. Imports from Africa amounted to $12,000,000 in 1906 and to $15,000,000 in 1908. Imports from Cuba in 1908 were $14,000,000 below those of 1907, the decrease being almost entirely in the importation of cane sugar. Why so much less sugar was imported from Cuba last year we are not informed. Perhaps the sugar trust knows.

In farm product imports from Brazil last year there was a decrease of $10,000,000, from British India a decrease of $9,000,000, from the United Kingdom a decrease of $8,000,000. But there was an increase of $3,000,000 from Japan and the same amount from the Dutch East Indies, and an increase of about $1,000,000 each from Spain and Santo Domingo.

It is interesting to know of what these imported farm products consisted. They are given as follows: Sugar and molasses, $81,000,000; coffee, $68,000,000; packing house products, $66,000,000; silk, $65,000,000; vegetable fibers, principally cotton, manilla and jute, $50,000,000.

This shows that the shortage is not in the principal American crops, if we may except sugar and cotton. Of the latter article we export as well as import. Why we should import is worthy of consideration. If a desired staple is produced abroad which is not produced here, can we not produce that staple, and make importation unnecessary?

Possibly the same remark might apply to sugar, though we do not see that a better or more desirable article of that commodity could be produced elsewhere. The production of cane sugar in the South can be increased almost indefinitely, and the production of beet sugar in the middle west is but fairly begun. Besides there is Hawaii to reckon with in the production of sugar "under the flag." Sugar is Hawaii's principal production, and yet only about 200,000 acres of its 4,000,000 acres are now devoted to that crop. Why not encourage increased sugar production both in the states and in Hawaii, and thus make importations unnecessary? We are inclined to conclude that the trust can buy and import sugar from abroad cheaper, or at a greater profit, than they can buy it at home. In such cases, when they apply to manufactured articles, the tariff is increased so as to make importation unprofitable, and compel the sugar producers of the United States to buy of our own "infant industries."

Coffee may be considered also. Sixty-eight million dollars worth of that commodity was imported last year. Hawaii, a part of the United States, is a coffee country. Mr. Jared Smith, former director of the government experiment station on that island, is authority for the statement that, with proper encouragement, 300,000 acres of the island would be brought under coffee cultivation, and American territory could thus easily supply two-thirds of the coffee used by its people. And why not? Ask the tariff makers and the coffee importers.

From our Island possessions and Alaska we received last year farm products valued at $73,000,000, an increase of $16,000,000 over the preceding year. Of this increase $12,000,000 was in sugar from Hawaii and $4,000,000 in sugar from Porto Rico, good proof of the sugar possibilities of these Islands.

The President's Message to Congress

WE need not give much space to President Taft's first annual message to Congress which met in regular session December 6. It has already been discussed by the daily and weekly press of the country, some lauding it and others condemning it, as is usually the case.

The President does not commit himself to the waterways schemes, but he does favor a ship subsidy, the oft defeated scheme of Mark Hanna, and one of the most needless grafts of them all. He favors postal savings banks, a much needed and widely favored monetary reform, and one which is being bitterly fought by the banks of the country, which oppose anything that divides with them the control of the people's money.

The President asks Congress to leave the sugar trust alone, as, in his opinion, a congressional investigation at this time might do more harm than good. So it might. It frequently does. We shall see how it all ends. He wants a little more care taken in the matter of labor injunctions, and would amend the interstate commerce laws, whether to make them weaker or stronger he does not say. He wishes to reorganize the army, favors pensions to those who have long served the country in a civil capacity as well as military, and would increase the postage on magazines and similar publications as a means of reducing or eliminating the postal deficit.

The President wants to make an island in the entrance to Chesapeake bay and to build a fort thereon; to establish an extensive naval base at Pearl Island, Hawaii, and to build two battleships. He would celebrate the semi-centennial of negro emancipation, and would remodel the jail of the District of Columbia, perhaps to arrange a sweet room for the sugar trust

Upon the whole, the mesage is conservative, more disappointing in what it does not say than in what it does. It cannot be regarded as Rooseveltian.

P. V. COLLINS MAKES A DISCOVERY

COLLINS? Collins? Pee-vy Collins? Yes, we must have heard that name before. Certainly. Now we remember. He is in some way connected with a northwestern publication of some sort. On account of a vicious and unjustifiable attack he made a few years ago on the Society of Equity, Up-to-Date Farming felt impelled to give him a friendly and peaceful little drubbing, after which there was not enough left of him for memory to make a note of.

But Mr. Pee-vy Collins has been away from home. **He went to Waterloo.**—So did once a much greater man—Napoleon Bonaparte. But Pee-vy learned some things on the way. So did Napoleon as he rushed to his fate at Waterloo. Collins "learned more than he had known before." At least he says so himself. He met some men—C. O. Drayton, M. F. Sharp, and some others. These men were also on their way to Waterloo, and Collins learned from them that certain things in the American Society of Equity "**HAD BEEN DECLARED VOID**" "and so were some of the **PRINCIPLES ADVOCATED BY THE ORIGINAL FOUNDERS**" of the society.

Among those **ORIGINAL PRINCIPLES WHICH HAVE BEEN ABANDONED**, according to the **FOUR OFFICIALS** above quoted, (we named but two) was the one **GREAT DOCTRINE THAT THE SOCIETY COULD FIX A PRICE ON GRAIN.**"

That is what Collins says he learned on the way to Waterloo, from C. O. Drayton, M. F. Sharp and other officers of the old disrupted and disgruntled American society. If the price-making principle is abandoned what is left in it that is worth anything to the farmers?

The price-making principle is abandoned, say the officers, and the Society has gone into the elevator business, says Collins, and he is now in favor of it (the society). Of course. So is every monopolist and trust advocate in the country. The old faction has quit its "former foolishness" to become a part of, and play second fiddle to, the elevator trust. "Birds of a feather flock together," and the fewer the feathers some birds have, the quicker they rush to those that are supposed to have feathers they have plucked from the farmers.

But what of the real farmers, those that till the soil and produce the stuff? Do they not own what their hands and lands produce? Have they not a right to determine the price at which they will part with what is their own? Ask the tobacco growers of Kentucky who fixed an equitable price on their tobacco and compelled the trust to pay it, realizing so much more money than they were accustomed to get under the starvation prices made by the trust that they are now quarreling among themselves over it?—a shame and a pity.

Ask the cotton growers of the South, who are getting more for their cotton than they ever got from the prices made by the exchanges, if the growers have a right

to fix the price at which they will sell their products?

Ask the wheat growers, who are getting better prices, in spite of the elevator trust and the old faction that has abandoned the principle of price-making—better prices than they have received for many years, if the growers have a right to fix the price for grain?

Again we ask: Why should not the producers of farm products make the price on what they produce and sell? Every other class puts a price on what they make. The mine operators (the competing ones) agree among themselves, and make a price for their coal. The manufacturers do the same, and make the selling price for what they manufacture. Who says the Standard Oil Company has no right to fix the price for oil? That the steel trust has no right to put a price on steel, and wire, and fencing, and nails, when the farmer goes to buy any of them? That the sugar trust has no right to put a price on sugar? That the packing trust has no right to put a price on meats? That trust not only makes the price for meats, but it makes the price that shall be paid for the farmers' cattle, hogs and sheep. Who says that the tobacco trust has no right to put a price on its own manufactured tobacco? The trust does that, and it has a right to, but it also put a price, a miserable, starvation pittance, on the tobacco in the farmers' barns until the farmers that have not "abandoned the principle of price-making" said: "No, sir; we'll do that ourselves."

Pee-vy Collins and the officers of the old American faction allow all these to make their prices, **BUT, THE FARMERS MUSTN'T DO IT.** They must let somebody else fix the price on farm products. That seems one-sided and queer to us. We never could understand it. There is neither justice nor Equity in it.

It is not so with the Farmers Society of Equity. That Society is composed of actual farmers, and they have not abandoned the principle of price making. They know their rights, and they are brave and honest enough to stand by them. They have not abandoned any of the original principles of the Society, and they will not. Most that is printed in UP-TO-DATE FARMING is written by farmers and for farmers that live on their farms, and it will stand by the farmers in spite of Pee-vy Collins, the officers of the old faction, the elevator trust, or anybody else.

ALL who see UP-TO-DATE FARMING pronounce it the best farm paper published and its teachings are what are needed to keep us farmers moving on to greater prosperity. The young folks are delighted with your post cards premiums, but the "gude-mon" of the house says: "Give me good old UP-TO-DATE."

If it is slow and times are hard,
Be sure to give me UP-TO-DATE;
Or if it is noon and loaded my plate,
Why, still give me good, old UP-TO-DATE

I wish you complete success in your undertakings.—J. A. Stevens, Grand Ridge, Fla

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



Fools rush in where wise men fear to follow.

DISPATCHES to Dunn's Review on December 24th testify to an exceptionally good condition of trade as the holiday season arrived. Weather conditions, generally, were such as to stimulate trade on seasonable lines. Much complaint is read in the press of high prices of goods and particularly of food articles. It is true that farmers are getting good prices for most of their crops, better all around probably than ever before unless in periods of war. But we disclaim that the prices they get are responsible for exhorbitant prices to the consumers for any staple article. When we stop to consider the number of hands most articles of food pass through; the great number of retail stores to distribute them and the enormous profits made by some of the large packers and other handlers as shown by their dividends it is not surprising that prices are very high. What is needed is closer control by the producers and the producing class organized so they can dictate terms of handlingg to the middlemen.

An examination of the below statistics will show that the visibles of wheat and oats have began to decrease. We believe this condition will be maintained and if it is, the farmers may absolutely dictate the price of these grains until the next crop comes. We appeal to them to sell at the fair minimum prices printed in this paper and not be parties to any desire to exact unfairly high prices. Also an examination of the figures below will reveal the fact that the market is higher on most items.

Cotton reached the highesct price of the year, selling at 16 cents in New York on December 23. The government crop report of Dec. 10 estimated the crop of '09 at 10,088,000 bales. If this estimate is not changed by later estimates the crop is the smallest since 1903 when 10,045,615 bales were grown. The largest crop was in 1904, 13,679,954 bales; the next largest 1906, 13,595,498 bales; the next 1908, 13,587,306 bales.

The visible supply of wheat in the United States on Dec. 11, 1909 was 39,070,000 bushels, which was 749,000 bushels less than two weeks before, 23,862,000 bushels less than a year ago and 13,050,000 bushels less than two years ago. A year ago this period showed a large increase.

The visible supply of corn on the same date was 8,554,000 bushels, which was 3,033,000 bushels more than two weeks before, 1,124,000 bushels more than a year before and 1,516,000 bushels more than two years before.

The visible supply of oats on the same day was 17,812,000 bushels, which was 1,819,000 bushels less than two weeks before, 2,800,000 bushels more than a year before and 5,452,000 bushels more than two years before.

The visible supply of barley on the same date was 6,192,000 bushels, which was 161,000 bushels more than two weeks before, 2,608,000 bushels less than a year before, and 1,032,000 bushels less than two years before.

The visible supply of cotton was as follows:

	Week ending Dec. 10, 1909	Dec. 3, 1909	Dec. 11 1908
American	3,797,579	3,814,480	4,134,839
Other kinds.	911,000	810,000	748,000
Total	4,708,579	4,624,480	4,882,839
2 wk's b'f'e.	4,559,719	4,427,487	4,340,890

The closing prices of cash grain in the principle markets, on Dec. 24 were as follows:

CHICAGO—Wheat, No. 2 red, $1.25½@1.26, two weeks before, $1.20@1.23; Corn, No. 3 60@61½c, two weeks before, (old corn) 66c. Oats, No. 2 white, 46c, two weeks before 39@42½c.

ST. LOUIS—Wheat, No. 2 red, $1.27@1.28, two weeks before, $1.23@1.25½. Corn, No. 2, 68½c, two weeks before, 59½@62½c. Oats, No. 2, 45½c, two weeks before, 41@44c.

KANSAS CITY—Wheat, No. 2 red, $1.22@1.25, two weeks before, $1.18@1.22. Corn, No. 2, 63½@64c, two weeks before, 59@59¾c. Oats, No. 2 white, 45@47c, two weeks before, 40@42c.

CINCINNATI—Wheat, No. 2 red, $1.27@1.31, two weeks before, $1.24@1.26. Corn, 62½@64c, two weeks before, 57@58½c. Oats, 48½c, two weeks before, 42@42½c.

NEW YORK—Wheat, No. 2 red, $1.27@1.27½, two weeks before, $1.24@1.25. Corn, 70½@70¾c, two weeks before, 71c. Oats, 47½@52c, two weeks before, 45@46c.

MINNEAPOLIS—Wheat, No. 1 hard, spring, $1.13¼, two weeks before, $1.08@1.08½. No. 1 Northern, spring, $1.11¾@1.12¾, two weeks before, $1.07¾@1.08.

Chicago futures for grain closed Dec. 24 as follows:

WHEAT—Dec., $1.16½; May, $1.11⅛; July, $1.01⅝.

CORN—Dec., 62¾c; May, 66¾c; July, 66⅝c.

OATS—Dec., 44⅜c; May, 45½c; July, 43¾c.

POTATOES—Chicago, Dec. 23: The market was steady. There was a better demand and buyers were more willing to pay outside prices. Sales ranged at 40@45 cents, with the bulk of the business at the higher figure. The volume of business was not large and an active market is not looked for until after the holidays. Receipts were good.

Arrivals by cars with comparisons follow:

	This week	Last week	Last year.
Monday	33	43	55
Tuesday	50	28	16
Wednesday	12	25	20
Thursday	45	28	20
Total, 4 days	140	124	111

PRICES: — Minnesota, Wisconsin and Michigan. Good to choice, white stock, 40@41c; fancy, 42@43c. The price is practically the same as two weeks before.

HAY—Chicago, Dec. 23: Timothy hay in fair demand and price steady. Supply small. Price—choice timothy, $18.00@18.50. No. 2 timothy, $16.00@16.50. The price has advanced $1.00 a ton in two weeks and about $4.00 a ton in four weeks.

BEANS—Chicago, Dec. 23: Not many coming. Prices steady. Not much business expected at this season. Price—Choice handpicked pea beans, $2.10@2.15, two weeks ago, $2.00 to $2.12. Mediums, the same as Pea beans. Red Kidneys, poor to choice, $2.60@2.90, two weeks before, $2.35@2.75.

The final estimate of the U. S. Dept. of Agriculture gives the following figures for the 1909 crops:

Crop.	Acreage.	Production.	Farm Value, Dec. 1. Per bu.	Total
	Acres.	Bushels. (x)	Cents.	Dollars.
Corn, 1909	108,771,000	2,772,376,000	59.6	1,652,822,000
Corn, 1908	101,788,000	2,668,651,000	60.6	1,616,145,000
Winter Wheat, 1909	28,330,000	446,366,000	102.9	459,154,000
Winter Wheat, 1908	30,349,000	437,908,000	93.7	410,330,000
Spring Wheat, 1909	18,393,000	290,823,000	93.1	270,892,000
Spring Wheat, 1908	17,208,000	226,694,000	91.1	206,496,000
All Wheat, 1909	46,723,000	737,189,000	99.0	730,046,000
All Wheat, 1908	47,557,000	664,602,000	92.8	616,826,000
Oats, 1909	33,204,000	1,007,353,000	40.5	408,174,000
Oats, 1908	32,344,000	807,156,000	47.2	381,171,000
Barley, 1909	7,011,000	170,284,000	55.2	93,971,000
Barley, 1908	6,646,000	166,756,000	55.4	92,442,000
Rye, 1909	2,006,000	32,239,000	73.9	23,809,000
Rye, 1908	1,948,000	31,851,000	73.6	23,455,000
Buckwheat, 1909	834,000	17,438,000	69.9	12,188,000
Buckwheat, 1908	803,000	15,874,000	75.6	12,004,000
Flaxseed, 1909	2,742,000	25,856,000	152.6	39,466,000
Flaxseed, 1908	2,679,000	25,805,000	118.4	30,577,000
Rice, 1909	720,225	24,368,000	79.4	19,341,000
Rice, 1908	655,000	21,890,000	81.2	17,771,000
Potatoes, 1909	3,525,000	376,537,000	54.9	206,545,000
Potatoes, 1908	3,257,000	278,985,000	70.6	197,039,000
Hay, 1909	45,744,000	*64,938,000	$10.62	689,345,000
Hay, 1908	46,486,000	*70,798,000	$ 8.98	635,423,000
Tobacco, 1909	1,180,000	z949,357,000	b10.1	95,719,000
Tobacco, 1908	875,000	z718,061,000	b10.3	74,130,000

x Bushels of weight. * Tons. z Pounds. b Per Pound.

APPLES—Chicago, Dec. 24: A little more activity in the market. Receipts are irregular at present because of the cold weather. Holders are firm.

	No. 1	Fancy.
Ben Davis	$2.25@2.50	$3.50@3.75
Jonathan	3.50@ 4.00	4.50@5.00
Kings	2.75@ 3.00	3.00@ 3.50
Spies	2.75@ 3.00	3.25@ 3.50
Baldwins	3.00@3.25	3.75@ 4.00
Greenings	3.00@ 3.50	3.75@ 4.00

EGGS—Chicago, Dec. 24: Trade is slow and the market unsatisfactory. The demand is curtailed by the high price. Receipts are light but even then the limited demands made it impossible to clean up the daily arrivals. The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases included, 24½@28½c.

Miscellaneous lots, cases returned, 24@28c.

Ordinary firsts, 30c.

Prime firsts, 33c.

Refrigerator, extras offered at ...24½c.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week. Cases.	Last week Cases.	Last Year Cases.
Monday	2,599	3,981	3,188
Tuesday	3,022	3,124	3,613
Wednesday	4,389	1,887	2,988
Thursday	2,551	2,896	3,193
Total	12,561	11,888	12,982

Keep in mind the minimum prices always printed in this paper and ask them.

The following named bulletins and publications have been received since our last publication. Usually they can be obtained free on application. We recommend our readers to send for all that they think will interest and benefit them.

United States Department of Agriculture, Washington, D. C. Circulars, No. 40, "A Simple Method of Detecting Sulphered Barley and Oats;" No. 689 "Testing Antitoxins;" No. 688, "Gassing Flour Mills;" No. 687, "Tobacco Production in the United States." Bulletins: No. 1214, "Methods and Cost of Clearing Land," "Tobacco Improvement Work," "Calf Feeding," "Gasoline Heated Colony Brooders," "Measuring Acidity in Cheese and Butter Making;" No. 379, "Hog Cholera;" No. 421, "The Need of Controlling and Standardizing the Manufacture of Veterinary Letanus Antitoxin."

Connecticut Agricultural Ex. Sta., New Haven, Conn.—Bulletins: No. 164, "Garden and Field Seed as sold in Connecticut in 1908-1909;" No. 165, "The San Jose Scale and Methods of Controlling It."

Indiana Experiment Sta., Lafayette, Ind.—Bulletins: No. 136, "Steer Feeding;" No. 137, "Dairy By-Products as Supplements to Corn for Fattening Hogs."

Ohio State University, Columbus, O.—Extension Bulletin, No. 3, "Pruning."

Virginia Experiment Sta., Blackburg, Va.—Bulletin No. 185, "The Production of Clean and Sanitary Milk."

Annual report of the Porto Rico Agricultural Ex. Sta., San Juan, Porto, Rico.

"Cold." A publication on cold storage, by Madison Cooper Co., Watertown, N. Y.

"Plant Food." The Bowker Fertilizer Co., Boston, Mass.

"Veterinery Notes," Parke, Davis & Co., Detroit, Mich.

Following are announcements of important meetings in the interest of Agriculture.

Tri-State Corn exhibition and school, at Evansville, Ind., January 24 to 29, 1910. Exhibits will be shown from Indiana, Illinois and Kentucky and Purdue University will conduct the instructions. The official program and premium list, will be sent on application.

Farmers Short Course of the Iowa State College, Ames, Iowa, will be held January 3 to 15, 1910. This course is free to farmers and thousands should avail themselves of the opportunity to secure knowledge applicable to their farm work. Further particulars on application to the colleges above.

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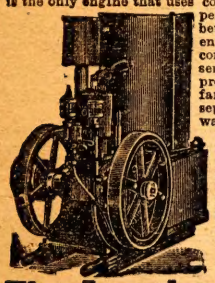
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UP-TO-DATE FARMING

Production and Marketing

AGRICULTURAL EDUCATION IN HAWAII

AN article elsewhere in this issue of UP-TO-DATE FARMING shows the growing importance and agricultural possibilities of Alaska and our Island possessions.

There is now on foot in Hawaii a general movement to cut great tracts of the island into small acreages for homes for people who will join in the work of agricultural development. Hawaii is about the size of the State of New Jersey, and it is adapted to the production of sugar, coffee, tobacco and rubber, of which it may be made to fully supply the American deficit of these commodities. It is also adapted to the production of many other important crops, not competitive with the leading crops of continental United States.

Of course, under former rule little attention was paid to education or development of any kind; but under American rule a new spirit animates the Island, and education is made a prominent feature. There is at Hilo an industrial school where all the essentials of agriculture are thoroughly taught.

In a recent number of Van Norden Magazine, was an interesting illustrated article on the school and showing some of the industrial school boys at work, and also their beautiful and luxuriant surroundings.

LAST IN PANIC; NEARLY FIRST IN RECOVERY

W. Martin Swift in Moody's Magazine, considering the order in which the different business interests suffer and recover from a panic or financial depression, places them in the following order of beginning: 1. Securities. 2. Banking. 3. Manufactures and Mining. 4. Commerce. 5. Agriculture. In the order of recovery, he places them as follows: 1. Securities. 2. Agriculture. 3. Commerce. 4. Banking. 5. Manufactures and Mining.

It will be noted that agriculture is the last to feel a panic, and next to the first to recover from it. Securities are purely a speculative interest, and they have the power to make or break panics. The first sign of a panic is a fall in the value of securities. Any one can create a panic who can seriously depress the price of securities. Securities do not really represent money, but they represent holdings that are considered valuable and income yielding properties. Anything that unfavorably affects the income yielding ability of these properties depresses the price of the securities, and, if sufficiently serious, precipitates a panic. It is no wonder that securities are the first things affected. Nor is it any wonder that a return to normal conditions first manifests itself in these same securities. Since the securities, therefore, are speculative rather than material interests, and may be regarded as the financial pulse, it is doing no violence to the real interests to put agriculture last and first—last to feel the effect of a panic and first to recover from it. The reason is obvious. Agriculture produces the things the world must have, panics or no panics; hence, if there is so great a depression that little can be bought, that little must be agricultural products; and as the depression eases up the first increase in purchases is of agricultural products. In times of panics, then, the luckiest man is the soil tiller. Isn't it strange that, like the patient horse, he accepts the bit, and lets everybody else ride him?

CONTROLLED MARKETS IN MANITOBA

Must we concede the Manitoba farmers are getting ahead of those in the States in the matter of controlling their markets? A dispatch from Winnipeg tells us that an association of farmers there has handled the marketing of one-fourth of all the grain produced by the prairie provinces last fall. The organization was effected to bring about better conditions among the farmers, and to place the handling of all grain raised in the province in the hands of the grain growers themselves.

Whatever may be said of it, this on the face of it is the Equity Plan, and it is one of the rules of the association that the profits enjoyed by thus handling their own stuff, shall be applied to the betterment of the homes and home life of the farmers, and to the improvement of agriculture in general.

EARLY POTATOES SHOULD BE PLANTED EARLY

One reason, perhaps the principal reason, why farmers are not so successful with early potatoes as they are with late, is that they do not plant them early enough. Early potatoes do best in a cool, moist soil, and in the middle latitudes of the United States, the soil, after the breaking up of winter, stays in bad condition so long that it crowds the planting of the early potatoes nearly into the time of planting the late ones. The soil then soon becomes so warm and dry that the potatoes do not do well.

It is often noted that potatoes left in the field, and that remain in the ground all winter, come up very early in the spring, and make a healthy and vigorous growth, until weeds and a

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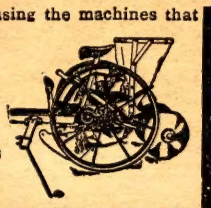
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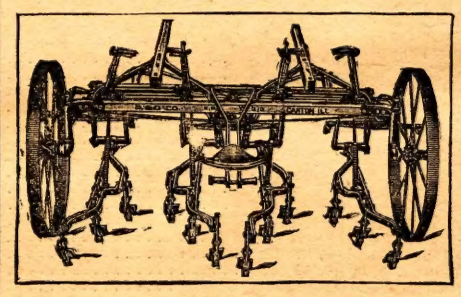
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lack of cultivation dwarfs them, or until they are destroyed by devoting the field to some other crop. Of course, when potatoes left in the ground thus come up and grow, it means that the ground has not been frozen deep enough during the winter for the frost to reach them. Potatoes cannot stand a freeze even in the ground.

But why not plant early potatoes in the fall when the ground is in so much better condition, and may be made into so much better a seed bed? We believe that is entirely practical anywhere south of Indianapolis, Springfield or St. Louis, or even farther north, with proper precautions. Work the ground into a deep and perfect seed bed; plant the tubers three to four inches deep. Harrow the ground level after planting with a light harrow that cannot possibly reach the potatoes. After harrowing top dress with say an inch coat of coarse stable manure, and cover the whole with four or five inches of straw. After such treatment, on sloping ground that drains well, the potatoes are just about as safe in the soil as in the cellar, and they will sprout with the very first invitation in the spring, and will be nearly half made at the time of the usual planting, and they will be in ground much better prepared than the spring ground can be.

If preferred, the straw may be taken off in the spring; but straw covered potatoes are a great favorite in many localities. But potatoes planted in the spring for straw covering receive a very light covering of earth. Try this fall planting experiment in a small way.

DOCK SEEDS WITH MANURE

If dock grows in the meadows or pastures, the seeds are very apt to be spread on other fields with the barnyard manure. Many farmers hesitate to use the manure on that account. A bit of our own experience a year ago is a case in point. We spread some coarse barnyard manure on a field we intended to seed to timothy the following year without further cultivation. Early in the season we broke it and worked it down thoroughly, and sowed to timothy. Last fall was ideal for timothy seeding and we have a splendid set that showed up well before bad weather set in. But wherever the manure was spread the fall before, the ground is green with dock—not sorrel, but ordinary broad leaved dock.

What will we do? Wait until spring. By that time the long top root will be loosened, and the plant will be raised an inch or two above the surface. Hand pulling will then be about the same as picking it up off the ground, and that is what we will do with it.

WHAT SHOULD A FARMER EXPECT OF A GRAIN DRILL?

This is a question that many an honest, fair minded farmer has no doubt asked himself more than once. What should we expect?

We have a right to expect a grain drill that has a feed that will correctly sow any seed that we want to plant and a fertilizer feed that successfully handles all brands of commercial fertilizers in wide range of quantities. We have a right to expect a well made drill, free from a lot of fads and so simple as to be readily understood. It should have furrow openers that open proper seed trenches, and which place the seed in the ground at an even depth without skips or bunching the grain.

The Empire Grain Drill has been on the market for more than half a century. If it was not right, it could not have survived. There are many Empire Drills in use today that were purchased from fifteen to thirty years ago, and they are doing good work today. This drill is manufactured by the American Seeding Machine Co., Incorporated, Richmond, Ind., and is sold under a warranty that means much to the farmer. Write them and ask for their Empire catalogue. No matter what your seeding conditions may be you can get an Empire Grain Drill that will please and satisfy you. Go to your local dealer and ask to see the Empire Drill.

THE AUTO ON THE FARM

We must not ignore the cost of the auto, nor the intricacy of its machinery; but it is becoming quite a factor on the farm. Recently Mr. J. G. Frederick, managing editor of Printers' Ink, a New York publication, delivered an address in which he gave much information regarding automobiles, especially concerning their use on the farm. There are now in use on the farms of this country about 76,000 automobiles, which is about one-fourth of the total number in use. About 4,500 autos are in use in Kansas, and 5,000 in Iowa; and of these one-half are owned by farmers.

Autos are a great favorite with dairy farmers. They enable the more prompt delivery of milk and widen the dairy field on account of the increased ability to cover territory, and all without disturbing the farm teams. For the same reasons they are a favorite marketing vehicle. They are also frequently used as farm powers.

For family trips for visits or recreation, the auto is without a rival. The only trouble is the temptation to speed. Almost all the accidents are due to excessive speeding. But the use of the auto is rapidly increasing, perhaps strange to say, most rapidly in the West. A single dealer in an Oregon town reports 42 sales in a season. The auto will hasten the coming of good roads, and good roads will multiply the use of the auto.

THE UNBEATABLE EXTERMINATOR

As an all-round Killer for destruction of Rats, Mice, Ants, Roaches, Bed Bugs, Crows, Hawks, Gophers, Squirrels, Chipmunks, Prairie Dogs, Wolves, etc., etc. Nothing so effective and economical as Rough on Rats, the old reliable that never fails. Is not dangerous to handle. Poisonous only when eaten. Odorless and tasteless, can be mixed and disguised in many different ways to meet conditions. 15c, 25c and 75c, at Druggists. E. S. Wells, Chemist, Jersey City, N. J.

Page Fence wire is made of High Carbon Basic Open Hearth Steel. The free samples sent out show the famous Page Knot, known as "The Knot That Can't Come Off." This knot is different from that used on any other wire fence, being wrapped three times around the horizontal wire in such a way that it is absolutely impossible for it to work loose or come off.

This company has just issued a handsome Jubilee Edition of their Catalogue. It gives much information of value. Copies may be obtained free, together with a sample of Page Fence by addressing The Page Woven Wire Fence Co., Box 249, Adrian, Mich.



"Test Your Seed Corn"
Test Every Ear You Plant

Don't Plant Weak Seed

The Hours Spent in Testing Your Seed Will Return You a Handsome Profit When You Gather Your Crop.

With *Holden's Ideal Corn Tester* the testing is quickly and easily done. Six kernels are taken from each ear and the four hundred small cups quickly filled. Then your work is done as the tester sprouts the corn and you simply look over the trays, and when you find a cup where the kernels are dead or weak you throw that ear away. Thus you know that you are planting only good strong seed. Weak seed is responsible for more failures and poor crops than anything else. You raise corn to make money, but you don't make all the money you earn if you plant poor seed No farmer with high-priced land can afford to raise only a half stand when a little effort on his part in testing the seed before planting will give him a full yield. Write for our booklets that tell all about testing seed corn and give prices on our different sized testers.

NATIONAL SEED TESTER CO.
250 Marquette Bldg.
DES MOINES, IOWA

Two Ears of Good Seed Corn Will Grow One Load of Good Corn



Write for Our FREE BOOKLET TODAY

HARROW While You PLOW
—Save All The Work of Harrowing
—Make The Most Perfect Seed Bed

ALL by going over the field **once only** with your sulky, disc or gang plow and the Kramer Rotary Harrow Attachment. It levels, pulverizes and makes a mulch of the "moist soil" that is not possible after the ground dries and "sets." Use the original and only successful machine of its kind,—The

Kramer Rotary Harrow Attachment



Awarded Gold Medal and Diploma at A. Y. P. Exposition, Seattle. Also Diploma by Dry Farming Congress Convention, at Billings, Montana. So light-running that horses hardly notice additional draft. Made in styles and prices to suit every farmer. Implement Dealers everywhere sell on easy and reasonable terms—no freight to pay.

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telling about this wonderful implement, which effectively combines all the functions of the Harrow, Packer, and Pulverizer, in preparing a perfect Seed Bed. The Kramer Attachment is the greatest success of many years. Recommended by Departments of Agriculture everywhere. Don't delay, but ask for Free Book No. 40 and special prices.

THE KRAMER CO., Paxton, Ill.

The Million Dollar Bonded Incubator

THE Bonded Sure Hatch

There is only one—**The Sure Hatch.** It is in a class by itself. No other incubator is built of such high grade materials. No other has such a record of results in hatching, nor such a liberal guarantee. Every purchaser of a **Sure Hatch Incubator** actually receives a $1,000,000 Surety Bond issued by the great Bankers' Surety Company of Cleveland, Ohio. That bond places the entire resources of this great corporation behind the **Sure Hatch Guarantee.**

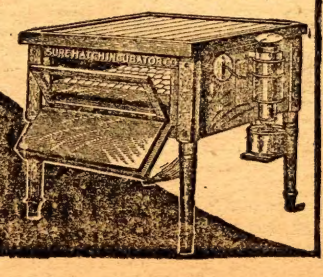
No other incubator is good enough for Bonding Companies to risk their money in backing. The Bankers' Surety Company could not afford to let their name be used, let alone back up our guarantee if the **Sure Hatch** were not the best Incubator on the market. They didn't agree to issue bonds on the **Sure Hatch** without first looking into the machine, it's construction and record.

Now, can you see any chance to lose on an offer like that when we pay the freight and allow you 60 days' Free trial?

Write to-day for complete information about the **only bonded Incubator** and for Free Poultry Book.

Sure Hatch Incubator Co.
Box 28, Fremont, Neb.





Chicago, Ill., Aug. 20, 1909.
"Jan. 1st I had 27 hens. Since then I have hatched over 500 chicks. Sold $108.00 worth of broilers and eggs and have at least 350 chickens left. I have tried three other incubators but I consider the Sure Hatch best and easiest to run."
MISS L. A. POPE.

YOU SAVE 20%
By using The STAR FEED GRINDER

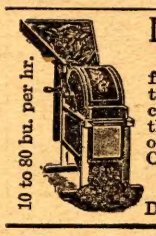


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Star Grinders are strong, long-lived and reliable—absolutely guaranteed. 30 years actual experience in mill building makes it possible for us to say most emphatically, that STAR GRINDERS ARE BETTER than the majority. Sweep and Belt Powers.

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THE STAR MFG. CO., 52 Depot St., New Lexington, Ohio



10 to 80 bu. per hr.

DEAN EAR CORN CUTTER.

In 1, 2 and 4 hole size; Slices corn from ½ to 2 in.; does it rapidly; just the machine to prepare corn for calves, stock or fat cattle; no waste, they eat it all. Cutter returned at our expense if not satisfactory. Circulars free; write today.

Enterprise Wind Mill Co.,
Dept. 13 Sandwich, Ill.

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American Movement Watch. Beautifully engraved case, warranted time keeper, also chain and Signet Ring, all given Free for selling 20 pieces jewelry at 10cts ea. Write for jewelry. When sold send us the $2.00 and we send Watch, Ring and Chain.

Eagle Watch Co.
Dept. 159 East Boston, Mass.

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Join the thousands of successful farmers who plant O. K. Seeds year after year and reap abundant harvests.

Garden, Field and Flower seeds

Catalogue ready. Send for copy—Free.

O. K. Seed Store, Indianapolis, Ind.



EASY The upper woman insisted on a simple, sanitary Sharples Dairy Tubular Cream Separator. Washes the entire bowl easily in two minutes. Holds it all here in her hands.



The lower woman's husband "didn't think," so she drudges twenty minutes over a common separator containing 42 disks. Tubulars are The World's Best. Sales exceed most, if not all, others combined. Probably replace more common **HARD** separators every year than any one maker of such machines sells. World's biggest separator factory. Branch factories in Canada and Germany.

Sharples 30 Yrs

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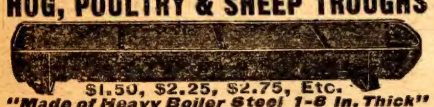
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We want to give every reader of this paper who is interested in live stock a **Free Trial** package of **Arabian Stock Tablets**—Enough to make 25 lbs. of the best Stock Food and Tonic Regulator. Delivered post-paid with no obligation except to give a trial. For conditioning horses, cows, sheep, and hogs, Arabian Tablets have no equal. Write to-day giving number of each you are feeding

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HOG, POULTRY & SHEEP TROUGHS



$1.50, $2.25, $2.75, Etc.

"Made of Heavy Boiler Steel 1-8 In. Thick" So strong no beast or animal can break or injure, substantially riveted, clean and sanitary. **Guaranteed to last a lifetime. No expense for repairs. Poultry and pig trough—$1.50 each or 5 for $7.50, we pay the freight. Hog and sheep troughs—$2.25 and $2.75 each, we pay freight on 3 or more.** You can not afford to miss this great bargain. **Write for free descriptive circular. FULTON SUPPLY COMPANY, Inc. 1.—534 Fulton Street, Chicago, Illinois.**

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Newton's Heave, Cough & Distemper Cure
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$1.00 per can, at dealers, or Express Paid. 18 Yrs' Sale.
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We will send you 12 of the prettiest post cards you ever saw if you will cut this advertisement out and send it to us with 4c. to pay postage and mailing and say that you will show them to 6 of your friends. D-158, New Ideas Card Co., 233 S. 5th St., Phila., Pa.

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UP TO DATE LIVE STOCK AND DAIRYING

AIDING NATURE

Decision Record:
Machine affected—Automatic-verbal milker.
Principal parts affected—The Cow.
Electric motor fastened on tonneau of gentle, domestic animal; magneto single ignition system attached to tail.
She switches her tail, cranks machine and starts motor. Transmission of milk by rubber tube leading from chassis to ampere, thence to pail.
Phonograph attachment yells, "So," every time she moves.



Rumble seat in rear, near tank, gives 10-horse power baste on limousine every time she kicks, and phonograph (in her master's voice) says, "So, dammet so."
Head lights, self draining. Brake attached to ring in floor by chain from hood.
Recommended by M. Bovine.
Concurred in by Vaca de Lecho.
Approved by P. Taurus.
—The Harvester World.

THE COW PROFITABLE AND UNPROFITABLE

SELF-supporting humans live on profits. They must produce something that did not exist before, or something that some one is willing to give a thing of value for, or they must exist on what some one else produces. This being the case efforts should never be wasted.

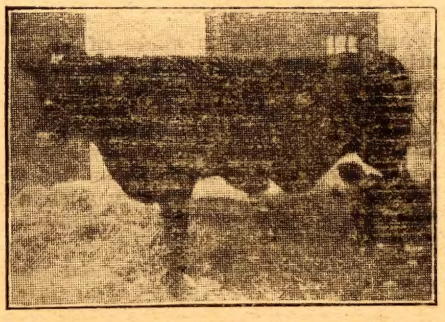
More effort is wasted perhaps on unprofitable cows than on any other farm animal. We suppose the reason that is so is, that farmers take little account of what the milch cow consumes, and not much more of what she produces. And the average dairyman does but little better. A cow that eats and stands to be milked, fills her place in the stall, is counted—a cow.

Early last year the Illinois experiment station issued a circular that deals with this problem.



The cow of which the above is an illustration, made an average record for three years of 11,390 pounds of milk, containing 405 pounds of butter fat, and returned a profit of $34.50 per year.

On the very same kind and quantity of feed, the cow shown below made an average in the same time of 3,830 pounds of milk, with 138 pounds of butter fat. She entailed upon the owner a net loss of $5.62 per year.

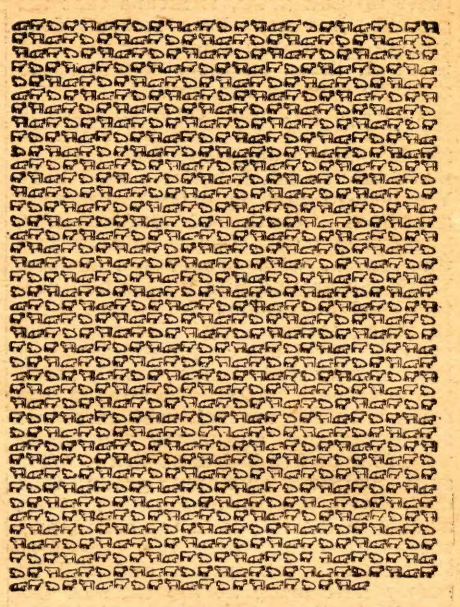


The difference in the annual value of these two cows was $40.12. It will be noted that both are attractive cows, and look much alike, though in the second the beef type is much more discernable. And here is the why of it. The second cow is worth more as a beef than the first. Beef cattle are scarce and command a good price. Such cows as the second should be fatted and put on the market, while the first should be duplicated and added to the milk stock.

To determine whether such cows as these were common in the dairy herds of Illinois, the station made a personal test of 18 dairy herds, comprising 323 cows. Fifty-two were found with as poor a record as the one shown in cut No. 2. The poorest 50 of the total number averaged only a little more than 116 pounds of butter fat per year, while the best 50 average 319 pounds of butter fat per year. It will be seen that the best 50 produced 273 pounds of fat for every 100 pounds produced by the poorest 50—a difference of almost three to one.



The above 25 cows may be taken to represent cows, each producing 301 pounds of butter fat per year, and returning an aggregate profit of $783. That was the average annual product of 139 cows found in 36 Illinois herds. The lowest 139 cows in the same herds averaged 133½ pounds of butter fat per year. Let the following illustration, 1021 cows in number, represent the cows of the latter grade and, it would take that number to equal the profit made by the 25 cows first shown.



These cuts are taken from the circular referred to, and we can think of no more striking illustration of the good and bad cows.

NOT ENOUGH SHEEP

The census to be taken next year will show that there are about 90,000,000 people in this country. There are only about 50,000,000 sheep. That is not enough to supply either the wool or the mutton. Were more sheep raised more mutton would be consumed. The high price of beef and pork guarantees that. Besides, mutton is more wholesome than beef or pork, and



Don't Bury Your Profits

You are not getting the profits your work deserves when your hogs have worms. Worms take the nourishment out of the hogs' food that should go to make pork. They irritate the hogs' digestive organs and in short time work their way into the liver and kidneys. Your hog starves to death and your investment, as well as your profit, is wiped out. It's time for you to wake up and put a stop to these unnecessary losses in your herd. Feed your hogs



Iowa Worm Powder

It will rid your herd of these life destroying, profit stealing pests. It kills and expels the worms and leaves the hogs' stomach and intestines in condition to perform their natural functions. You know that animals cannot make gains when their digestion is impaired. Iowa Worm Powder is a sure worm killer.

Don't Raise Runts. Pigs should have a feed of Iowa Worm Powder by the time they are 5 weeks old. Worms will accumulate in very young pigs stunting their growth and cutting down your profits. Iowa Worm Powder is just as good for your horses and sheep as it is for your hogs. They all are more or less infested with worms.

FREE If you have never used Iowa Worm Powder we will send you a $1.00 package if you will send us 25c for postage and packing, and tell us how much stock you have on your place.



IOWA STOCK FOOD CO.,
Dept. 7
Jefferson, Iowa.

GET MY PRICE This Ad Saves Dealer, Jobber, Catalog House Profits.

Buy direct from the biggest spreader factory in the world. —My price has made it—No such price as I make on this high grade spreader has ever been made before in all manure spreader history. I save you $50. Here's the secret and reason: I make you a price on one based on a 25,000 quantity and pay the freight right to your station. You only pay for actual material, labor and one small profit, based on this enormous quantity on a

Nobody Can Beat It



Fits Your Own Wagon
Freight Prepaid
5 Sizes

GALLOWAY

Get my bran new proposition with proof—lowest price ever made on a first class spreader, with my agreement to pay you back your money after you try it 12 months if it's not a paying investment How's that for a proposition? If I did not have best spreader I would not dare make such an offer. 20,000 farmers have stamped their O. K. on it. They all tried it 30 days free just like I ask you to try it—30 DAYS FREE.

Drop me a postal, and say—"Galloway, send me your new proposition and Big Spreader BOOK FREE with low prices direct from your factory." I also make a new complete steel gear Spreader—70-bu size.

H. Guthberson, Gladbrook, Iowa. "Works fine. Spreads all kinds of manure better than any spreader I ever saw. So simple, nothing to get out of repair as compared with other spreaders."

T. F. Stice, Oswego, Kans. "Often pull it with my small buggy team. Does good work. Have always used the ——— before. Galloway much the best. If going to buy a dozen more they would all be Galloways."

WM. GALLOWAY COMPANY, 509 Galloway Station, WATERLOO, IOWA

more of it should be used in the interest of public health.

The increase of sheep raising must be on the farms. The best condition in sheep production, says a writer, cannot come until the principal part of the flocks of America is to be found on the farms. We believe that. But the average farmer should keep clear of fads. Do the business in a business way. Grow sheep for wool, mutton and lambs. There are three sources of gain, and all in the same animal. Good wool producers are also good mutton sheep, and good mutton sheep are generally prolific breeders and good lamb raisers. Here is an open door for almost any progressive farmer.

COUNTRY BUTTER

There is not much encouragement for the making of country butter. Butter is an article whose bad qualities are easily detected, and all country people do not make good butter. No matter how careful an individual butter maker may be, nor how high the quality of the butter, when it goes to the buyer it may be thrust into a filthy ice box from which it never comes the same article it was when it went in. Or it may be placed in contact with an inferior article where it will not long remain until it is inferior also. Butter quickly absorbs odors, and readily becomes infested with bacteria. The maker may know the butter goes to the market a prime article, but there is no assurance that it will be such when it reaches the consumer's table. Bad handling in the country stores or by the grocers has brought country butter into disrepute, and practically destroyed its market value.

WORMS MOST LIKELY

To Up-to-Date Farming:

I have a horse which I am treating in every way as well as usual, or better; at least I feed him more because he seems always hungry. In spite of it all, his hair is rough and harsh, and he is losing both flesh and strength, and has not his usual power of endurance. He is also losing his natural shape, and is becoming inordinately "pot-bellied," and he is also given to rubbing his tail. What is the trouble, and what can I do for him? J. C. CORBELL.
Kentucky.

It is probable that the horse is infected with what are generally known as long round worms. They very much resemble the common earth worm, and they infect the stomach and small intestines, and consume the nutrient elements of the feed before the animal has time to assimilate it. Hence the abnormal appetite. The horse is starving though fed abundantly. The worms are generally taken into the stomach with the drinking water, hence the importance of having fresh spring or well water for the horses both winter and summer.

A remedy long in use for these worms is two ounces of spirits turpentine in half a pint of raw linseed oil at a dose on an empty stomach night and morning, given as a drench, for three or four days, and then worked off with a quart of raw linseed oil. Hardwood ashes, mixed with pulverize copperas (sulphate of iron) and salt, put occasionally in the feed box, is a good preventive measure, and it may even be counted a remedy if the case be not a bad one.

STUDY THE MILCH COW

A study of the milch cow cannot be uninteresting. During the spring she nips daintily of the greenest grass, and then seeks a protected spot, and lies down for rest, digestion and assimilation, coming up in the evening for the expected feed she has not yet learned to do without. In the hot days of summer she feeds early and then seeks for her rest a dark and shady place, where she will be protected from both heat and flies. In autumn it is much like it is in the spring; but she must still have her interval of rest.

But in winter! Then is when her human keeper is under greatest obligation to provide for her. She still needs her feed early and regular, and she needs her period of rest. For the latter purpose she will seek the most comfortable place she can find, because she needs it in order to do her work well. Some farmers provide neither house nor shelter. What can they expect? Others who provide comfortable stalls, furnish no bedding, and too often permit the stalls to become utterly filthy. The fact that the cow at liberty in the fields always seeks a dry, clean place to lie down, proves that her nature calls for such a place, and she will not lie down in a filthy place so long as she can help it. It is, therefore, the duty of the farmer, and it is to his interest if he expects good results, to provide for the cow not only a comfortable place, but a clean place, and if it can be covered with nice, fresh bedding it no more than fills the bill. In such a place the cow will eat her feed, night or morning, and then she will lie down and chew her cud with every evidence of content and happiness. And she will give more and better milk because of it.

WITCHES IN THE CHURN

In the old days, when the butter would not come, it was said there were "witches in the churn," and the thing to do was to adopt some means of expelling them. The winter witches could not stand warm water, and to get rid of them hot water was put into the churn. But in summer time the witches fled from the cold, and something was done to make it cooler inside the churn.

We know now that if the cream is too cold, as it often is in winter, the bacteria that causes the "ripening," develop too slowly, and cannot work properly. The warm water raises the temperature and gives the bacteria a chance. Hence in winter the milk and cream should be kept where it will not freeze; nor too near approach that temperature.

But milk may become too warm, as it does sometimes in summer. The bacteria multiply too fast, the cream becomes thin and watery, and the butter forms in greasy particles and will not gather. The remedy is to do what was done in the old witch days, cool it down to proper temperature. The lesson is to keep the milk in summer where it will remain cool—a clean, pure-aired cellar or spring house. Ice is an almost indispensable factor in the summer milk house. The fact is, every farm should have an ice-house.

HOGS STILL TENDING UPWARD

In spite of the high prices to which hogs have already attained, the tendency is still upward; and it now looks like there will have to be found a substitute for this commonest flesh food of the American people.

No branch of stock raising is more inviting just now than hog raising. The original investment may seem to be larger than usual, and it necessarily must be; but the return is quick, and there is little danger that it will not be good. Early spring pigs can be brought into a good market before the frosts of the following winter.

CATTLE GOING HIGHER

A cattle ranch man in the Texas Panhandle, is authority for the statement that a study of the changes going on down in the whole southwest country cannot help but convince anyone that cattle are bound to become scarcer and higher priced. A few years ago, he says, a person could go down into Texas and pick up a few thousand steers most any place, and get them cheap; but it cannot be done now.

Have you read the Big Free Offer made by the Wilbur Stock Food Co., 676 Huron St., Milwaukee, Wis., in our Dec. 15 issue? If you haven't, you had better look up that number and send the coupon printed on the last page. It entitles you to a 25-lb. pail of the Best Stock Food absolutely

Commander Robert E. Perry will give his own complete story of the discovery of the North Pole to the world thru Hampton's Magazine. It is reported that the price paid was $50,000 and that this is the highest price an author ever received. Buy Hampton's Magazine and get the article first hand.

$15.95 AND UPWARD



THE LOW DOWN AMERICAN SEPARATOR

EXCELS ANY SEPARATOR IN THE WORLD

THIS OFFER IS NO CATCH. It is a solid, fair and square proposition to furnish a brand new, well made and well finished cream separator complete, subject to a long trial and fully guaranteed, for $15.95. It is different from anything that has ever before been offered. Skims 1 quart of milk a minute, hot or cold, makes thick or thin cream and does it just as well as any higher priced machine. Any boy or girl can run it sitting down. The crank is only 5 inches long. Just think of that! The bowl is a sanitary marvel; easily cleaned and embodies all our latest improvements. Gears run in anti-friction bearings and thoroughly protected. Before you decide on a cream separator of any capacity whatever, obtain our $15.95 proposition.

OUR LIBERAL TRIAL ENABLES YOU TO DEMONSTRATE THIS. While our prices for all capacities are astonishingly low, the quality is high. Our machines are up to date, well built and handsomely finished. Run easier, skim closer, have a simpler bowl with fewer parts than any other cream separator. Thousands of machines in use giving splendid satisfaction. Write for our 1910 catalog. We will send it free, postpaid. It is richly illustrated, shows the machine in detail and tells all about the American Separator. Our surprisingly liberal long time trial proposition, generous terms of purchase and the low prices quoted will astonish you. We are the oldest exclusive manufacturers of hand separators in America and the first to sell direct to the user. We cannot afford to sell an article that is not absolutely first class. You save agent's, dealer's and even catalog house's profits by dealing with us and at the same time obtain the finest and highest quality machine on the market. Our own (manufacturer's) guarantee protects you on every American Separator. We ship immediately. Western orders filled from Western points. Write us and get our great offer and handsome free catalog. ADDRESS,

AMERICAN SEPARATOR CO., Box 1149, BAINBRIDGE, N.Y.

At the recent Land Show at the Coliseum in Chicago, perhaps the most prominent place should be accorded to Western Michigan, whose exhibits were as diversified as they were excellent. The predominant note, however, was struck by the wonderful display of apples, five hundred bushels of twenty-nine varieties,—and such apples! Their fragrance was as sweet to the nostrils as the flavor was delicious to the palate. The possibilities of Western Michigan, are just becoming known and any man who investigates the condition of this district must admit it is the coming center of the United States. Any parties interested in choice Michigan fruit and farm lands can obtain Government Reports, maps and other interesting matter free by addressing S. S. Thorpe, Room 2, McMullen Bldg., Cadillac, Michigan.

The Bond Steel Post Co., 31 E. Maumee St., Adrian, Mich., advocate strongly the use of heavy wire in woven wire fencing. Their booklet containing an interesting talk by a practical farmer, will be sent free to any of our readers upon request. Before buying, be sure to get it. A postal is all it takes.

With the coming of cold weather fur bearing animals are being trapped extensively all over the Northwest. Prices are high this season and it is to the interest of the trapper to secure good prices and an honest grade on his furs, which he can do by shipping to the McMillan Fur & Wool Co., of Minneapolis, Minn. They are the well known, old established fur house, having been in business 32 years. Write for their circular which quotes the full market for furs, hides, pelts, etc., free if you mention this paper.



DE LAVAL CREAM SEPARATORS

First—Always Best—Cheapest.

For Thirty Years

The World's Standard

As much better than other separators as other separators are better than gravity creamers.

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keep lice away. A blessing to poultry raisers. Sample 10c postpaid. Agents wanted everywhere.

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$80.00 Per Month straight salary and expenses, to men with rig, to introduce our POULTRY REMEDIES, Bank ref's given. Don't answer unless you mean business. **Eureka Poultry Food Mfg. Co., Dept. 14, East St. Louis, Ill.**

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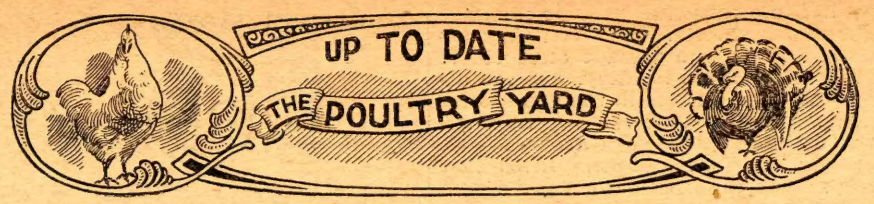
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Ornamental Fence Cheaper than wood for Lawns, Churches, Cemeteries, Public Grounds. Also Wrought Iron Fence. Catalogue free. **Write for Special Offer.**

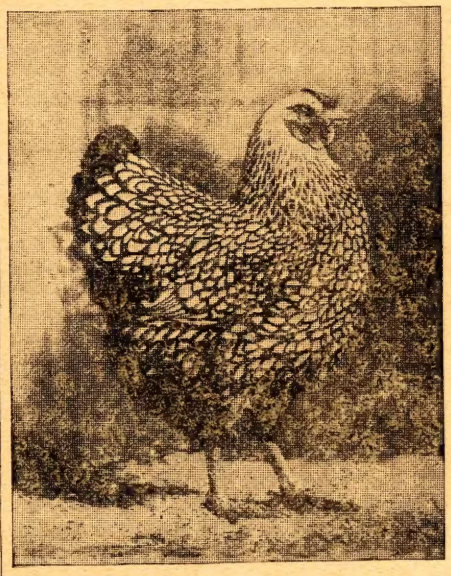
THE WARD FENCE CO., Box 436 Decatur, Ind.



THE WYANDOTTES

WHEN the editor of the Poultry department in UP-TO-DATE FARMING was first attacked with the poultry fever, just then becoming generally prevalent, the American Sebrights were beginning to be known as Wyandottes, a name they were not long in making their own, the name American Sebright having long since gone out of use as applied to these fowls.

Like the Plymouth Rocks, the Wyandottes are an American creation, and their newness and beauty at the time of which we speak captivated us, and they were the first thoroughbreds we ever handled. Great changes have been made in the breed since then. At that time there was none but the Silver Laced. Now there are eight standard varieties and seven non-standard —fifteen varieties in all. There are the Silver, Golden, White, Buff, Black, Silver Penciled, Partridge, Columbian, etc. Whether any of these is better than the original, the Silver Laced is still our favorite. We know of no more beautiful bird in the poultry yard, and but few excel them in desirable qualities.



The Wyandottes are plump bodied, as the illustrations show, with smooth yellow legs, low rose combs, and bright red ear lobes. They have an unassuming but stately carriage; are hardy when young, rapid growers, lay early, are good sitters and mothers, and most excellent table fowls.



They are not quite so large as well bred Plymouth Rocks, the roosters weighing from nine to ten pounds, and the hens from eight to nine. A good market quality is that they fatten readily, and seem to almost entirely renew their flesh in the process, which becomes tender, sweet and juicy. They enjoy the open range almost as much as the smaller breeds, though if fed properly, they do very nearly as well in close quarters. They are very contented in disposition, and seldom try to fly over a fence of any kind.

The Reliable Poultry Journal, Quincy, Ill., from which we have the above illustrations, has just issued a book, price $1, which gives a complete history of these excellent birds, with a description of all the varieties and their origin and qualities.

ARE THE SPRING PULLETS LAYING?

The spring pullets should have begun to lay by the first of December, and if they are not now furnishing high priced eggs, they are not doing their whole duty. Have they comfortable quarters? Have they a variety of feed, not all grain? Have they an occasional feed of green stuff of some kind, or clover or pea hay or millet to pick and scratch among? Have they a feed of meat scraps once in awhile? Have they ground bone, or crushed shell, and plenty of grit? Have they a good dust bath at pleasure, and a scratching shed in which to take exercise? What of these things do they lack? An answer to the last question may determine who is to blame if the pullets are not laying.

CONDITION OF THE POULTRY HOUSE

Many farm poultry raisers think it is unnecessary to clean the house so frequently in winter as in summer. But it is even more necessary. The fowls are kept in the house more, and as it is not supposed to freeze much inside, the air is really more likely to become bad in winter than in summer. Think of the warm, damp days that frequently come in winter. The additional accumulation and the humidity make conditions doubly bad. Think of the farmer that does not clean out the poultry house once during the winter. And there are many who do not.

Almost all poultry diseases are traceable to unsanitary quarters and bad feed. The idea that anything is good enough for a chicken is out of date now. And newly discovered animal or fowl that could produce anything as valuable as eggs are at present, would be given a place next to the parlor; but since it is only a hen, she must shift for herself as she has always done. Turn over a new leaf, and take care of the thing that brings in the money. Give the hen a chance.



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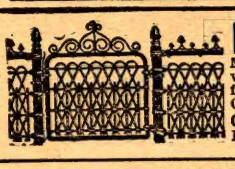
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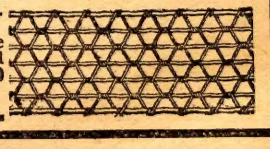
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Don't buy fence **AT ANY PRICE** before getting our prices. They will surprise you. We give our customers

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Make Your Hens Lay



You can double your egg yield by feeding fresh-cut, raw bone. It contains over four times as much egg-making material as grain and takes the place of bugs and worms in fowls' diet. That's why it gives more eggs, greater fertility, stronger chicks, larger fowls.

MANN'S LATEST MODEL BONE CUTTER

Free Book Tells How

cuts easily and rapidly all large and small bones with adhering meat and gristle. Automatically adapts to your strength. Never clogs. Sent on **10 Days' Free Trial.** No money down. Send for our free books today.

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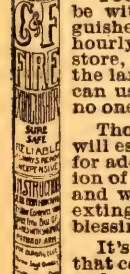
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MISSOURI—For Sale: 800-acre farm; note what I say; it's a great bargain; improvements worth $15,000; abunance of fruit; will grow 60 to 80 bushels corn acre; did grow 32,000 bushels corn on 400 acres in one year; grows red clover, timothy and blue grass the best; high-class Lafayette county, Missouri, farm; two hours from Kansas City; eight St. Louis; twelve Chicago; practically all good corn land; farms adjoining held $100 to $125; price, $75 acre; easy terms. After January 1st, 1910, the price of this land will be $100 per acre. This farm adjoins the station of Aullville on the Missouri Pacific Railroad. J. H. Lipscomb, 306 Fidelity Trust Bldg., Kansas City, Mo.

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DUCKS PROFITABLE FOWLS

A writer in one of our exchanges argues that, though ducks are rather heavy eaters, they are rapid growers and, therefore, profitable fowls. The brooding season is only half as long as that for chickens, and when brooded in brooders, they require only about half as much heat, and might do well even with less than that.

They do not require much grain; in fact, they do not thrive on heavy grain feeds. For a quick growth, and that is the thing desirable, ducks should be fed a mash, or any soft feed that is agreeable to them. A bulky feed, say one part bran and two parts beef meal or scraps, brings best results. Ducks that have not the privilege of a branch or stream, or other place where they can get a bountiful supply of insects, need the meat scraps very much. When fed on soft mixed feed, a perceptible quantity of sand should be mixed with the feed. It is necessary to proper digestion, especially for young ducks.

Ponds or large quantities of water are not necessary, yet ducks must have plenty of water for drinking purposes. The water in the drinking vessel should be about as deep as the length of the duck's bill, and the vessel should be so arranged or constructed that the ducks cannot get into it with their feet. Ducks need water most while they are eating.

WINTER EGGS

The poultry and farm papers are all now talking about how to get eggs during the winter; and it is well, for winter eggs help more than any one thing to make poultry keeping profitable.

The winter egg problem, after all is a very simple one. Active, healthy young hens, with proper feed and comfortable quarters will lay in winter as certainly as they will in summer. The difference so plainly seen is the result of the fact that in spring and summer nature furnishes the comfortable quarters and the proper feed. Imitate both of these, and there will be eggs. Taking for granted that the hens have good housing, the next thing is to duplicate the green grass and insects—some kind of vegetable, or clover or pea hay or millet, meat scraps and ground bone and crushed shell, with gravel, clean quarters, and the free use of lime.

And while thinking about getting eggs from your hens in the winter think a little about the profit the middlemen are getting out of the eggs the hens laid last spring and summer. Of course somebody must store the surplus eggs but UP-TO-DATE would like to see the time when they are held the property of the first owners until the real demand wants them.

WHEAT AND EGGS

We all learn slowly. Most farmers grow wheat, but not many think of saving some of it for winter feed for the laying hens. Feed dollar wheat to chickens? Yes, and make money by it. Wheat is almost a perfect ration for laying hens; and if fed to them in litter, so they must scratch for it, getting as near as possible to nature, the hens will be contented, well fed, supplied with needed elements—nature's requirements will be met, and they will lay eggs—perform nature's function. With eggs at present prices the wheat thus fed will bring more than a dollar a bushel. Our preference is to feed wheat and corn both—wheat in the morning and corn at night, not forgetting, of course, the meat scraps, grit, etc.

POULTRY BOOK FREE.

Pratt's new book, entitled "Pratt's Poultry Wrinkles" is a most valuable book for every raiser of poultry. It contains chapters on every phase of the culture of poultry, and every one will find in it some "wrinkle" worth money to him. It's free to every one asking for it of Pratt Food Co., Dept. W., Philaelphia.

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My proposition means pure air, sunshine, good and sufficient food and clothing, and agreeable occupation—in short, HAPPINESS. It takes only a little money to get started, for my prices are reasonable and my terms easy. You can benefit yourself by investing in a small piece of my lands. I will sell you from $8 to $15 per acre, on terms of $10 down and $5 per month, the best forty acres in all west Michigan at this price. I own individually over 12,000 acres. I also have few magnificent five acre tracts adjoining the city limits of Cadillac, level and partially cleared, suitable for market gardening, berries, small fruits, and poultry, which I will sell at low figures and on easy terms. I offer you, at the same price and terms, as good a soil and climate as any one else, and a far better location, splendid and dependable home markets, good roads, churches, theatres, schools, high schools, and all the advantages of a modern up to date city of ten thousand live ones. Write for my free handsomely illustrated booklet, testimonial letters, and map.

Samuel Strickland Thorpe
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HENS VERSUS COWS

Dean Mumford, of the Missouri Collegs of Agriculture says the poultry products of Missouri are worth $60,000,000 annually, which is five times the value of the dairy products. The college is to have a course of instruction in poultry raising. For the benefit of the poultry interest, or of the college? It might be better to let well enough alone, unless the college is brave enough to employ as instructor some of the farm wives of Missouri who are accomplishing the results.

FREE STOCK TABLETS

Every stock raiser should answer the advertisement of the BeSaw Chemical Co., Dept. B., Cleveland, O., and receive free a trial package of Arabian Stock Food Tablets—enough to make 25 lbs. of stock food and Animal Regulators. For conditioning stock these tablets have no equal. Write today, telling what stock you have, and you will receive the free trial by return mail.

Every housekeeper who buys an Easy-Wringer Mop will bless the maker. It comprises one of the most useful and practical inventions ever sold. Its price is very moderate. For use in the home it is invaluable, and as a seller for agents it is a "hummer." Write for more information to The U. S. Mop Co., 853 Main St., Leipsic, O.

Buying wire fencing is after all a sort of a gamble. But the chances are reduced to a minimum if you buy of a reliable concern. One of the oldest houses in the Central West is that of Kitselman Bros., Box 289, Muncie, Ind. They are offering some bargains in woven wire fencing right now. Better investigate.

Tell them you saw the "ad." in Up-to-Date Farming

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Senator Dolliver, of Iowa, says:
"The stream of emigrants from the United States to Canada will continue."



Senator Dolliver recently paid a visit to Western Canada, and says: "There is a land hunger in the hearts of English speaking people; this will account for the removal of so many Iowa farmers to Canada. Our people are pleased with its government and the excellent administration of law, and they are coming to you in tens of thousands, and they are still coming."

Iowa contributed largely to the 70,000 American farmers who made Canada their home during 1909. Field crop returns alone during year added to the wealth of the country close to

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BEST NEW CROP GROWN SEEDS IN THE WORLD AT FARMER PRICES. In addition we give a whole lot of extra seeds with every order. OUR BIG ILLUSTRATED CATALOGUE OF FARM AND GARDEN SEEDS IS NOW READY. It is FREE to you. A postal card will bring it to your door. Write for it today; also send the address of your neighbors who buy seeds. Address,

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Free from Disease. Grow faster, Heavier fruiting. Apples and Peaches 5 cents. Catalpa Speciosa, $2.00 per 1000. No agents—You save 50%—Free catalogue and premiums.
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a fine plated GOLD WATCH, guaranteed five years, proper size, handsomely engraved; with chain; and plated GOLD RING, beautiful 1 Diamond Setting, for selling 24 low priced jewelry articles among your friends. Send name and address. NO MONEY. WE TRUST YOU. Articles sent at once. Full instructions. Introductory offer. Only limited time. Write right now to - -

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Genuine American Watch, Stem Wind and Stem Set. Beautifully embossed, highly polished case, latest improved movement. Guaranteed correct time keeper: also Fine Ring with Sparkling Gem, both Free for selling 24 Jewelry Novelties at 10c each. Write for Jewelry. When sold send us $2.40 and we send watch and ring.

Friend Soap Co., Dept. 144 Boston, Mass.

Always mention UP-TO-DATE FARMING when writing to advertisers.

GARDEN *and* ORCHARD

SAMUEL ARMSTRONG HAMILTON, Garden Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in.

If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

The Vegetable Garden.

There is not much to be said about the vegetable garden at this time of the year, except in the way of planning for the next season. However, this is the month of garden planning, and as much of it as possible should be done now, while there is time and opportunity. Has your farm garden brought in the returns which you hoped? If not, why not? Is it too large, and not worked intensively enough? Or, is it too small, and not sufficient to take up all the labor that can be given to it. Either of these cases can be remedied and the remedy is obvious. No garden should be larger than can be worked to the utmost degree of economy of workers and materials. On the other hand if it is too small for your needs, or to bring you the profit which can be earned by the labor at hand, you are losing good opportunity. I have always advocated for the farmer two vegetable gardens—one in service, and the other being grown to soiling crops, in order to restore and retain fertility. If you now have but one garden plan the laying out of another one for the coming summer. Plan to break it up, and put it in growth of a good legume, such as cow peas, or one of the clovers to be plowed down after it has a growth of one year, while in bloom. This will enable you to take the old garden in hand and let it lie fallow a year, and then give it cover crops for three years, when it will be ready for its turn.

You need also to do some planning as to what you will grow in your garden next season. A farmer's garden should not do less than keep up his table the year around, by paying the storebills, and it can be made to do more, when good prices prevail under Equity methods.

Was the last year's garden a success? Did your market "take" well to what you offered it? Did you grow some of the finest novelties and new things, and offer them for high prices? If not, the remedy is to arrange for the next season for those things which will find the readiest market, at the best prices, and make you feel that it has been worth while to have a garden. Do your planning on paper, and the women-folk should be in the planning—for a very large portion of the work, and much of the responsibility will fall to them.

The Flower Garden.

The above remarks will also apply in part to the flower garden. A farm yard without flowers is like a steak without salt, and the flowers should be so abundant and so well planned for there will be some, outdoors or in, throughout the year. To make a flower garden, or farm-yard, well-balanced, there should be more hardy than annual flowers, and the proportion should be not less than three-fourths of the former to one-fourth of the latter. There is very little love or sentiment connected with the annual flowers, which die away every fall; but, who does not love the old lilac bush on the old farm? And what farm-bred man, who now drags out his existence in the city, does not hark back to the clump of old-fashioned roses in the front yard, which were there during all his childhood and boyhood? I learned to love flowers on the farm, and they were mostly hardy ones too. If you have not got a nice selection of hardy flowers in your yard or garden, plan to set out this spring some of the following: lilac, hydrangea-paniculata, violas, lily-of-the-valley, spirea, peony, daisy, larkspur, Canterbury-bells, or select many others.

The hardy garden is best made in borders, along walks or fences, and the reason I mention them now is that you may plan to lay them out now. They will cost little more than your labor, for the plants are very cheap—even for the best, and usually last a life-time. The annuals are best grown in front of the perennials along the hardy beds or borders.

Study the seed-catalogues carefully and plan those you will need for this purpose for the coming season. Also, plan for those you are going to grow for your annual Flower Carnival which UP-TO-DATE FARMING is going to help you to hold. and which I hope to see held in every farm community for some laudable cause: (see note in another place in this Department.)

A HAPPY NEW YEAR

To all the many friends whom I have made in this Department during the past year; to all those who love the garden, and the things for which it stands; to the many new friends who have been reading this paper during the last few months, I wish a

HAPPY AND PROSPEROUS NEW YEAR,

SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

The Orchard.

The farmer who has an orchard has much to plan during the month of January, and may have a great deal of work, if he did not get it done earlier. Unless there has been excessive snow falls, the work of cleaning up and burning the rubbish which accumulated from the pruning and clearing off of the trees, can be done now. It is also not too late to finish the pruning and searching of the trees for concealed pests, if not yet completed, on any days when the weather will permit, as the orchard-ladder can be used for nearly all operations, obviating the necessity for much climbing.

But there is another thing which the orchardist can do in the winter months. There will be a need of a deal of spraying to be done, if you desire to get the best prices for your fruits at the end of next season. If you are not equipped as you should be, make your plans now for all that will be needed. It pays to get the best equipment that you can afford, or a capacity suitable to your needs. Many farmers complain that they cannot afford to buy an expensive spraying outfit for a small orchard, or even for a rather large one—that too much money is required for the first cost, and that they cannot stand the loss of interest on the money invested. I agree with them that little good will be done in an orchard of large trees with a knapsack sprayer; but, what is to hinder them from doing what their grandfathers did in a similar case when the threshing machine came into vogue? The argument against the threshing machine at the start was that they were too expensive; that no farmer could afford to own one, but that argument was quickly met by farmers going together and buying them as an association, and doing the threshing of a neighborhood. This principle will have to apply in some manner before the spraying, that is so badly needed, becomes universal. The farmers in each neighborhood should go together, and buy a first class spraying outfit in common, taking in not too many, but merely enough to prevent financial burdens pressing too hard on any one, and form a company, charging all who use it by the day or hour, the same as is done with other co-operated farm-machinery.

In this way we will eventually get a first-class spraying outfit into every community, and all trees will be sprayed just as regularly as they should be. A spraying outfit for the best results should be a gasoline-power machine. The smaller ones will do very nicely for small trees, and small-fruits, but for the full grown orchard, the machine with a spraying tower, and which has the power to force the liquid deep into the open calyx of the embryo fruit and into the crevices in the bark is the one needed to produce the results which will assure perfect fruit, and eventually, rid the country of the noxious pests which afflict our orchards. It is well to consider the cost of spraying against the value of a crop of fine fruit or a crop of scabby wormy fruit.

But the machine and the tower are not all that is needed. There must be provided a portable mixing tank, a water tank, and a large number of nozzles for use under different conditions. You see we are rapidly approaching the day of specializing in spraying. It is no longer a case of merely shooting a liquid at a tree, or what is worse, drenching it and losing the effect; but, we have a special tool, as it were, for each different need.

The farmer who has an orchard should also do some effective planning this month as to what he intends to do next season in the way of cultivating his orchard. The difference in the value of the first crop will pay for a good special shallow cultivator—one which can be so set, if your trees are large, as to go only two inches deep—and the price is not great. Get the catalogues of the advertisers in this paper—they are reliable and decide now what you will need. Do not wait until you need it—and then be put on the bottom end of a long waiting list. Better give the order now for spring delivery.

Fruit Packages and Packing.

I have been giving much attention during the past year to the packing of, and packages for, different fruits, and will have something to say about the results of my observations from time to time, prior to the packing time of the different fruits. But I want to call the attention of the farmer fruit-grower to the fact that now is the best time to make his packages up for next season. Most farmers who sell fruits and vegetables in the well-known standard packages buy them "knock-down," and too many of them do not put them together until near the time when they must be used, and the result is packages poorly put together, which do not carry their contents safely to markets—the result being break-downs

SEEDS

$1.50 Worth to Test Only 10 Cents

We will mail one Full Packet each of the following 15 Grand New Sorts for only 10 cents. These would cost at least $1.50 elsewhere.

BEET, Perfected Red Turnip, earliest, best.
CABBAGE, Winter Header, sure header, fine.
CARROT, Perfected Half Long, best table sort.
CELERY, Winter Giant, large, crisp, good.
CUCUMBER, Family Favorite, favorite sort.
LETTUCE, Bell's Prize Head, heads early, tender.
MUSK MELON, Luscious Gem, best grown.
WATERMELON, Bell's Early, extra fine.
ONION, Prizetaker, wt. 3 lbs., 1000 bush. per acre.
PARSNIP, White Sugar, long, smooth, sweet.
RADISH, White Icicle, long, crisp, tender, best.
TOMATO, Earliest in World, large, smooth, fine.
TURNIP, Sweetest German, sweet, large.
FLOWER SEEDS, 500 sorts mixed, large packet.
SWEET PEAS, ½ oz. California Giants Grand Mixed.
Catalogue and Check for 10 cts. free with order.

☞ This 10 cents returned on first 25 cent order.

J. J. BELL SEED CO., Deposit, N. Y.

TREES

Sheerin's Trees Made Dansville Famous

Largest Nursery Center in the World. Annual output more than 6,000,000 Fruit Bearing Trees alone. Buy direct at wholesale and save 300 per cent. Secure varieties now pay in spring

Catalog Free to Everybody. Sheerin's Wholesale Nurseries, Dansville, N. Y.

and dissatisfaction all around. I saw one farmer putting together apple-boxes in the orchard, while two of his sons were sorting over the apples; a critical examination showed how poorly they were done, but he was hurrying to deliver his crop at the railroad the next day. The winter is the season for all such work, as then there is more leisure on the farm, the boys and girls, who are large enough, helping on Saturdays, and at odd hours. All your crates, and other packages should be ready by spring for your anticipated crop, and put them together with care, so that they will stand some pretty hard handling. They are sure to get it, if shipped to a distant market.

Marketing.

There will be very little to do in the way of marketing this month, excepting in the case of the EQUITY farmer who has carefully packed away his fruit and is feeding it to the market as fast as the prices will warrant.

The farmer is or should be a business man and should be in business all the year around, the same as any other business man. Does a manufacturer make goods eleven months of the year, and put in the other month putting his wares on a glutted market? No indeed! Why should not the farmer sell something all the year around that will bring him in revenue AT FAIR PRICES?

Planting a New Orchard.

The farmer who intends to plant a new orchard, or inter-plant one, to renew it, in case of an old worn-out one, should also plan now for his stock of trees. See the advertising columns of this paper, and make your selections suitable to your locality, and put in your order, and make it positive that they are to be shipped on the day you name, or they will be refused.

When ordering tree-stock, be sure to specify the caliper to which the trees are to measure. A first-class apple tree, for instance, should be three-quarters of an inch in circumference at the neck, and be seven feet tall. Specialize in fruit, if you are growing o sell. If merely for home consumption, it does not matter.

Fertilizers and Manures.

The winter is a good time in which the farmer should take some stock of his next year's requirements in the way of fertilizers. First what crops are you going to grow, and what fertilizers, aside from manure, will you need for the season? It pays to be forehanded in the matter of fertilizers as in other matters, and this is especially true as to the garden and orchard.

The fertilizer which is usually needed the most in our gardens is nitrogen, in an available form, due to the American method of gardening, which takes little account of the free nitrogen in the air.

In the selection of a general garden fertilizer, for the run-down garden, and where well-rotted stable manure is scarce or cannot be had, see that it has a guaranteed analysis of three per cent. nitrogen, as nitrates; eight per cent. phosphoric acid, and ten per cent. potash. This is known as "a complete fertilizer."

Garden and Orchard Implements.

In the winter time is when the farmer should take stock of his implements, putting in order any that need repairs, sharpening all edged tools, and cleaning all that need it. If the stock is not what it should be in order to quickly and easily carry on the garden and orchard operations, make up your order and have the things in stock before spring. One of the things that should be in every garden is a good pump, connected with a well of over-flowing water, a wind mill or a gasoline engine. I refer of course to those gardens where there is no water supply from pipes. The pump-less garden means that during the dry weather of mid-summer and early fall some one has to carry water to keep the crops going, or there is a poor crop.

Every fruit-grower should have a good convenient hand-power, t o-man, saw or power circular saw if an engine is on the place, for quickly working up all the limbs which are cut off or are broken off during the course of the season, which of course will be of use for many other purposes.

The farmer should have in his tool box a good assortment of tools, among which should be a brace and bit, a broad-axe, two or three hammers of different weights, and a good hatchet. But above all other things there should be a collection of good keen chisels, as they are constantly being needed. Look to these now; do not wait until you need them badly next summer; see also that there is an assortment of wrenches, a timber-jack and several hard-spikes are in constant demand, and should be at hand. Do not count on running the garden with hand-hoes this next season, but get a good garden cultivator, either for man or horse power, and have it in time to break the garden. Get a full set of fixtures with it—you will need all of them.

Garden Hints.

This is the time of the year in which to make a hot-bed, if you have none. They can be sunk in the ground or set on top. The cost is not great, and it will add a month to the life of the garden at both



ends. Every farmer should have one or more. They are made in sections of six feet square, taking two sash 3x6 feet. Here is a sketch of a good cheap one easily made.

Did you keep several sheaves of wheat to tie out this month for a New Year's gift to your friends, the birds? If not, you have missed a rare pleasure, watching them enjoying it.

If you have a lawn, give it a top dressing any time this month, when there is a light soft snow on the ground. Ask the seedsman or fertilizer dealer.

Send for the seed catalogues at once, and make up your list. The seedsman appreciates an early order, and generally gives an extra or two to those who order this month.

FLOWER CARNIVALS

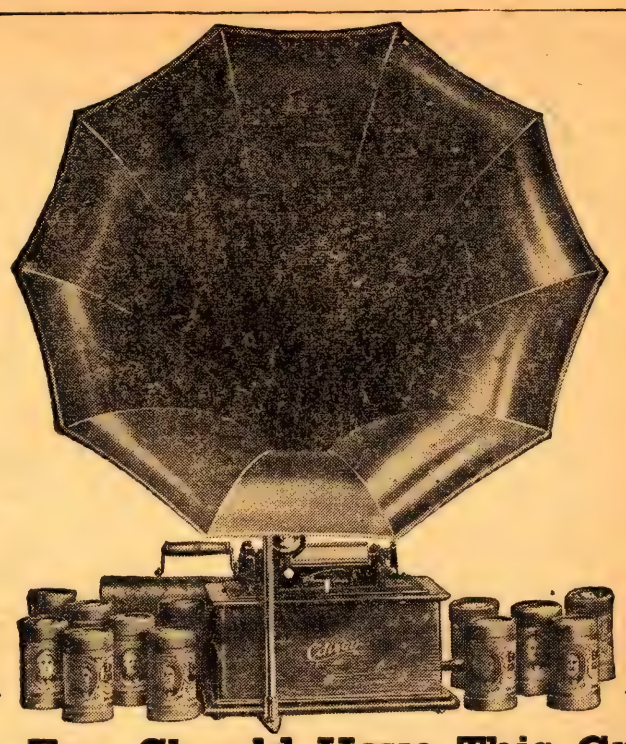
The Garden Department will conduct a campaign during the coming year in the interest of F lower Carnivals to be held for various charitable purposes. This is the most ethical method of raising funds for your church, sunday-school, library, or to build a local union or club house for business and social meetings of farmers and their families, and one which will be endorsed by your pastor, and all who have a desire to beautify and raise the standard of the community. The Publisher of this paper has printed a small booklet telling all about these carnivals, and what to do to make them a success, and will mail it FREE to any of his subscribers who send a self-addressed stamped envelope. When writing, say for what purpose you desire to hold the carnival. Address Flower Carnival, care UP-TO-DATE FARMING, Indianapolis, Ind.

Everybody, from near and far will be glad to come to your flower carnival and you can raise several hundred dollars and have a good time next summer, amidst a feast of beautiful flowers, if you send for this booklet, and follow its instructions.

Samuel Armstrong Hamilton,
Garden Editor.


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You, Too, Should Have This Grand Edison Phonograph on a

FREE LOAN

Yes, an absolutely free loan, the world's greatest phonograph, our new No. 10 model, 1910 outfit, now offered on a free loan.

This outfit includes the great Fireside Edison machine, the new machine on which Mr. Edison has been working for several years—the climax of this inventor's skill. It eclipses all former phonographs, it has improvements all its own never before seen in a talking machine. You must get one of these phonographs on a free loan to learn what Mr. Edison has accomplished in perfecting the greatest, the most wonderful talking machine ever made.

When we say free loan, we mean free loan. We will ship you a machine without a cent down, and without any C.O.D. payment to us, so you can take it right to your home and play the music there. You can hear vaudeville sketches, minstrel shows, comic operas, grand operas, waltzes, the old-fashioned hymns, all kinds of comic and serious music and songs right in your own home. All this on a free loan. Then when you are through with the free loan, simply return the phonograph outfit to us at our expense.

Is there a catch in this? No, there is no catch; but I will tell you my reason for this extra liberal offer. For I have a business reason, aside from my desire to see the great, new invention known among the public. I feel that when I ship you a phonograph on a free loan, you will help me advertise it, by letting your friends and neighbors hear the great concert. I do not ask you to sell any machines for me, in fact, we do not have any agents. But I know that when your friends and neighbors hear the machine, someone somewhere will want to buy one of these phonographs; perhaps several people will want to buy. You, yourself, can keep it if you want to on terms of $2.00 a month, and absolutely at the rock-bottom price, the lowest possible price at which this outfit can be sold anywhere. But I do not ask you to buy it, I simply want you to get it on a free loan, and help me advertise in that way. It is the quickest and easiest method of introduction that I can find for this great, new phonograph.

Don't you want your wife, and your children, and all the family to have the benefit of these grand concerts? Remember, we charge you nothing. We put you under no obligations at all to help us in any sales. We just want you to hear the phonograph right in your own home and have a few of your neighbors and friends hear it, too. Your children will appreciate the trouble you take in ordering the phonograph on a free loan, and we will ask nothing of you.



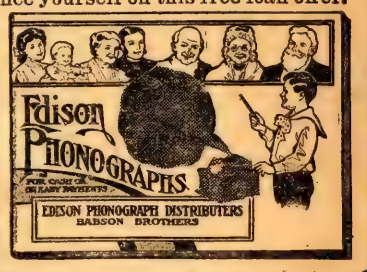
Mr. Edison Says:

"I want to see a Phonograph in every American Home"

The phonograph is his pet and hobby, and it is true that there should be no home in the country without this grand and magnificent entertainer. At any rate, you ought to seize this opportunity to have a phonograph free for awhile and hear all the music at least a few times before shipping back the phonograph.

And remember, please, you can't imagine what a talking machine is like, what the latest improvements mean, until you have heard our outfit No. 10. It is so far superior to the ordinary talking machine you may have heard in your town that there is absolutely no comparison. Convince yourself on this free loan offer.

NOW Write For the Free Catalog!



I want to send you absolutely free our great new Edison catalog, containing the list of records and a full description of the new Fireside Machine. I ask you as a favor to me to read this catalog anyway, even if you should decide that you would not want a free loan. After seeing the catalog, you will perhaps select a list of records you want on the free loan, then you will want a free loan. But anyway let me send you this catalog today, absolutely free, prepaid, without any charge. I want you to see what Mr. Edison has accomplished in talking machines. I want you to appreciate what the talking machine means to the farm home and the village home.

Sign the Coupon

with your name and address—no letter necessary; or, if you want, you may send a postal card or letter instead of the coupon—either way. But let me have your name and address today. Will you write at once?

FREDERICK BABSON
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355 Portage Ave.
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Frederick Babson, Edison Phonograph Distributers—Dept. 3651, Edison Block, Chicago.
Canadian Office: 355 Portage Avenue, Winnipeg, Canada.
Without any obligations on me, please send your Great Edison Catalog free and prepaid and your Free Loan Phonograph Trial Offer.

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Just fill in this coupon; no letter is necessary, and we will send you the great FREE LOAN.



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They mend all leaks in all utensils—tin brass, copper, graniteware, hot water bags, etc. No solder, cement or rivet. Any one can use them; fit any surface; three million in use. Send for sample pkg. 10c. Complete pkg. assorted sizes, 25c postpaid. Agents wanted. Collette Mfg. Co., Box 183 Amsterdam, N. Y.

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SUGAR Fine Gran. **lb. 2½c**

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Cleanses and beautifies the hair. Promotes a luxuriant growth. Never Fails to Restore Gray Hair to its Youthful Color. Cures scalp diseases & hair falling. 50c, and $1.00 at Druggists

KITCHEN SET FREE
(22 INCHES LONG)



Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort, Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

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THOUGHTS THAT COME

THE OLD QUILT

A young wife sat in her new home on the farm. Happiness glowed in her face, and hope gleamed from her eyes. Her maiden dreams had been realized. She had a home, and her young husband was even then working in the fields to add to the home comforts which both felt would be theirs.

And she was not idle. She bent quietly, but industriously and happily, over a simple piece of patchwork, that was rapidly taking the form of a bed quilt. The shining needle promptly obeyed the nimble fingers as each tiny bit of color grew to its neighbor, making fancy figures that ere many days would make the bed more beautiful by day and more comfortable at night, an addition by her own hands to the household supplies and the family possessions.

Who can number the patient stitches? But in every stitch there was love and hope and happiness. The years would come, and the years would go, as they had come and gone in her young life, but love and appreciation would now mark the hours, as the possessions of the home, of herself and husband, visibly increased, and all would be their own. It was but a simple quilt, but it showed her patience and her industry, and her ability to accomplish, and was therefore a proof that her husband had not unwisely chosen, and it would show him that, while he toiled in the fields he had a help mate in the home.

These and even brighter, sweeter, thoughts accompanied the stitches in the quilt; and one day when the husband returned from the field, the new quilt smiled up at him from the bed. How sweet the gentle words of approval none but the young wife can know.

The quilt is old now. The fingers that fashioned it no longer ply the needle. A long life of useful and self-denying activity, most of the time in loving, kindly work for others, to build up and beautify the home, and to make comfortable and happy and good those that came into her and her husband's life, entitle her to the rest at the end of the journey. But the quilt is still on the bed. The love worked in with the stitches is still there, and every piece and stitch speaks of the early hopes and the later triumphs, of the struggles that won the victories, and of the beautiful rounding out of a useful life.

There may be tears in the thoughts that come of the old quilt, but it is only a simple picture of human life. Every second is a stitch and every minute a piece. Life is but a bit of patchwork. How are the pieces arranged, and how firmly are the stiches holding them together? Is there love and hope and confidence as the patchwork of life grows, or do disappointments break the threads or selfishness mar the harmony of the colors? Has churlishness anything to do with the filling, or does crossness show in ugly knots among the stitches?

Life is too short for evil to stain or disarrange any part of it, and selfish thoughts and unkind words or deeds should not be permitted to soil it. Love in the heart should find free expression from the lips, and appreciation and merited praise should smooth out all its wrinkles. How much happier life would be if we could only know what the ending of it means to those who are left.

Fold up the old quilt and lay it away. It has served its purpose and taught its lesson. Be more careful in the arrangement of the patchwork of life. Let love go in with every stitch and hope repose on every piece, so that when we shall reach the end, and our opportunities for good are folded up and laid away, those left behind may feel that we faithfully served our day without disappointing those that trusted in us.

THE HOME SURROUNDINGS

Much of the beauty of the home depends upon the surroundings. The home on the farm should not be too close to the road. A well kept lawn between the road and the dwelling is one of the most striking beauties of the home. There should not be too many trees nor flowering shrubs, and not more than one or two small flower beds should be allowed. The real beauty of the front lawn is smoothly cut grass. Whatever else is in it should be entirely for artistic effect.

A board fence painted white or whitewashed, though old fashioned, is about the prettiest and showiest fence that can enclose the home grounds. Small and tastily ornamental gates add to the pretty effect. At the sides and in the rear ornamental shrubs and flowers may be more abundant, but there should always be plenty of room left for the effective operation of the lawn mower.

We do not like many large trees in the home grounds. There should be enough for shade, but not enough to shut out the sun or to prevent its reaching, at some time during the day as nearly as possible, all parts of the grounds, especially the east, south and west sides of the house. Nothing is more cheerful, or more conducive to healthfulness than for the sunshine sometime during every bright day to enter all the windows. It may do so in summertime even on the north. Nor should the trees and shrubbery be thick enough to interfere with the free circulation of the air all about the home grounds. Health and comfort both plead for unobstructed fresh air and sunshine.

Is it best to rake up and burn the fallen leaves in the fall? Authorities differ. Most incline to the fall cleaning up. But the leaves are nature's earth covering, and their decay supplies needed elements of fertility. About the home on the farm we do not object to leaving them until the spring cleaning up.

A narrow flower bed along the fence all around the grounds, unless it be in front, may be made very beautiful, and is greatly admired.

THE HOME PRETTY PLACE

Every home where children are growing up should have something that appeals to the fancy. A specially beautiful spot near the home may be made to fill the requirement. A high knoll, a spot on a high bank, the location of a spring, or on the bank of a flowing stream, where there is a grove of shapely trees, the ground level and carpeted with grass, is an ideal place for such a spot. Remove from it everything objectionable, add to it whatever may contribute to its beauty or attractiveness, provide it with rustic seats, and let it be the general family resort. It is surprising how quickly it will come into use, and how often it will be resorted to. What a relief to the tired mother, wearied with the household routine, and what a place for the rest and dreams of the young people, especially the girls. Many a book will be read there, and father and mother will enjoy many a pleasant talk in its quiet shade.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

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We mean a Beautiful, Clear-toned, Full-Sized Violin of highly polished and fully seasoned, beautiful wood, ebony finish pegs and finger-board. We are in the Music Business selling Music and all kinds of Musical Instruments and we are in close touch with the market and buy in large quantities.

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Do you want a dozen?



These Spoons are very beautiful. Each spoon is nicely embossed with the above design. They are made of a metal called silveroid that looks like *pure* silver, & it carries its high finish indefinitely. These are very good and serviceable spoons and on our offer are a rare bargain.

OUR OFFER: We will give one dozen of these teaspoons as a reward for a new or renewal subscription 2 years for 50c.

Up-to-Date Farming
Indianapolis, Ind.

HINTS WORTH TAKING

Cold boiled sweet potato is better even than cheese as bait for mouse or rat traps.

To bake potatoes quickly, boil them ten minutes in sale water before ptuting them to bake.

If the upper edge of the sauce-pan or other vessel is well buttered or greased, chocolate, milk, cocoa, candy or anything of the kind boiled in it, is not likely to boil over..

When boiling common starch, sprinkle in a little fine salt; it will prevent the starch from sticking.

A washtub that has just begun to leak may be temporarily stopped by filling the cracks from the otuside with common soap.

To take the meats whole from pecans or hickory nuts, soak the nuts a few hours in cold water. The water causes the shells to expand, and leaves the meat free to come out when the nuts are cracked.

A few drops of carbolic acid added to paste, mucilage or ink will keep the articles from molding. An ounce of the acid to a gallon of whitewash will keep cellars and kitchen closets where applied, from the disagreeable odor which is liable to taint milk, butter or meat kept therein. Carbolic acid is a poison, and we do not often recommend the use of poisons for any purpose.

When the coal scuttle becomes broken in the bottom so that it will leak the dust and small coal, cut a pine board, or even a broad, thick shingle, so that it will fit nicely in the scuttle just above the bottom. From the outside drive in four to six shingle nails, either into the board or just above it. A scuttle so mended will last even longer than a new one.

To make a screen to use over open windows at night, use a piece of unbleached muslin, the length of that the window is wide. Hem the ends and sew a ring at each corner, and also in the middle of the lower edge. Put a tack or small nail in the window frame to correspond with these rings so as to draw the muslin smooth and even. Loops or button holes will do in the absence of rings. Adjust the screen at night; the air will come in, but the dampness and insects will stay out.

A strong tea of common hay will preserve the color of French linens; Soak in it before washing. Vinegar in rinsing water for pink or green calicos will brighten them. Soda answers the same purpose for purple and blue.

The comforter gets dirtiest at the head of the bed. To keep it clean make a case about fourteen inches wide of any desirable, easily washed goods, to slip over that end of the comforter. Tack or button the slip to the comforter. The slip may be easily taken off and washed.

The whisk broom is a useful article in parlor, living room or kitchen. For sweeping carpeted steps nothing is more effective, and it may do good service in sweeping uncarpeted steps. When a bed must be made soon after its occupancy, turn back the covers, smooth out the lower sheet, give it a brisk sweeping with the whisk broom, and then replace the covers; it is well worth while. Mattresses should be thus swept at least once a week. There is nothing better than a whisk brook for dusting upholstered furniture, for sprinkling clothes, for keeping the kitchen range clean, and for many other things that readily suggest themselves.

A cloth on which egg has been dropped should never be washed in warm or hot water, always in cold. Hot water sets the stain; cold water removes it.

Do not place the mirror where the sun will shine upon it at any time. The sunshine makes chemical changes in the quicksilver at the back of the glass that interferes with the reflection.

A wound from a splinter that has inflamed and festered, and from which the splinter, or thorn has not been removed, or a boil from which it is desirable that the pus be drawn, may be relieved by partly filling a small bottle with hot water, and then so pressing the mouth of the bottle over the wound or sore that no air can enter. As the hot air in the bottle cools it contracts and forms a suction that, aided by gentle pressure, draws out the pus, and perhaps the splinters or thorn, while the gentle warmth soothes and removes the inflamation.

Open air exercise is good for those who suffer from sleeplessness. During the shut in winter days it is likely that the usual amount of exercise may not be taken, and there may also be a lack of fresh air in the warmed room.

MEMORY GEMS

Every kind word spoken in the home is a memory gem that time will not tarnish; and every kind, unselfish act plants a seed of kindness in the hearts of others that will grow and bear sweet fruits for other years.

If you frown at life,
As you go your way;
And grumble and growl
The livelong day;
You'll find the world
Is a sorry place,
A gloomy affair
Like your frowning face.

But sing a song,
Like a playful lad,
And whistle a tune
Like a youngster glad;
You'll find the world
Will smile at you;
The sun will shine
And the skies be blue.

Sunday School Philosophy

A Sunday-school teached had instructed her class that each child should repeat a verse of Scripture when the offering was made. The plate containing many pennies had gone down the line, when the child next the last said, "The Lord loveth a cheerful giver," depositing a nickel.

Either the verses had given out or the child at the end of the bench was overcome at her neighbor's generosity, for she said, "A fool and hith money are thoon parted!"—Lippincott's.

LOVE AND INDIGESTION NO AFFINITY

"If love is to be kept as a permanent dweller in the home the door must be barred against indigestion," wrote Mary Jane McClure, and, inspired by the volume of truth in the quoted assertion, Farm and Home, 44-A, Broadway, Springfield, Mass., have compiled for free distribution the "Farm and Home Cook Book and Housekeepers' Assistant" of 320 pages. In its contents it is plain, practical, thorough, complete. A dollar pays for a three-year subscription, or fifty cents for one year, and in either case Farm and Home will send free, and all charges prepaid, a copy of this new work for housekeepers.



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To live well, cook well, eat well, at small cost

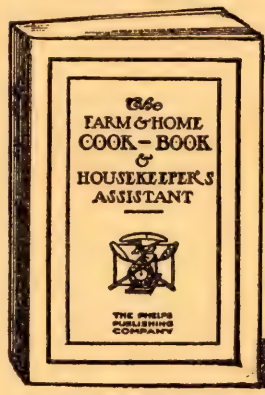
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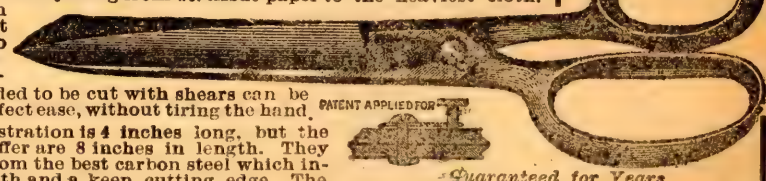
Our booklets, "Good and Bad Seeds" and "A Guide to Success in Agriculture," will be mailed free. Worth hundreds of dollars to any farmer. Write for them and mention UP-TO-DATE FARMING.

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Dear to the heart of every woman—a pair of finest shears that are always sharp.

The Patent Tension Spring keeps them always sharp and enables the user to cut anything from wet tissue paper to the heaviest cloth. The tension on the rivet can be set so that any kind of material intended to be cut with shears can be cut with perfect ease, without tiring the hand.



The illustration is 4 inches long, but the Shears we offer are 8 inches in length. They are made from the best carbon steel which insures strength and a keen cutting edge. The manufacturers guarantee quality of material and workmanship in every pair.

Guaranteed for Years.

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Finest Guaranteed 1910 Models **$10 to $27**
with Coaster-Brakes and Puncture-Proof tires.
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If you want a genuine Shetland Pony and Rig, **write to me today** for my new and the **easiest plan** you ever heard of. Don't send any money, just a postal, and say you want a pony. I will be glad to help you. Address
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AGENTS BIG PROFIT. Absolute necessity to every farmer and teamster. Metal Hame Fastener. Simple device. Fasten instantly with gloves on. Last a lifetime. Agents coin money. 140% sure profit. No chains. No straps. No quack. No trifle about our offer. We give a square deal. Guaranteed, money-back goods. Sample, 35 cents. Particulars free. Write us at once.



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Send me 20 cents and names and postoffices of 20 farmers and I'll send you for two years the Illinois Farmer, big semi-monthly, (big Woman's Fashions and Children's Depts.) Regular sub. price 50 cents a year. John M. Stahl, Pub. 1 J. P. Sta., Chicago.

Our Up-to-Date Young People

CADETS OF EQUITY

NOTE—*This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with ont another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.*

Cadets of Equity! There is a great deal of meaning in these simple words. Young people in all parts of the country talking to each other, and telling things they know that others do not. Young people learning how to express themselves in good language and seeing their letters printed in a paper that is read by more young people, and old ones too, than almost any other paper in this whole country. Young people studying Equity, bright students in the great school that has taught farmers more important truths than they were ever taught before—truths that colleges forget or neglect, but that are absolutely necessary to successful farming. Young people that are learning to practice and to teach equity in all the business relations of life, a doctrine that makes all men and women brothers and sisters, and leaves no room for boodle and graft, or for that kind of business that unjustly and unfairly takes from one and gives to another. That is the Cadets of Equity, and each issue of UP-TO-DATE FARMING finds the class getting larger and larger. A few years hence the destinies of the country may well be trusted in the hands of these people.

Sure enough, our young Florida friend tells us the legend of the tall pine tree that stands near the borders of Silver Springs; and of the long moss that so gracefully waves from its branches:

Dear Mr. Editor:

I was surprised and glad to see in UP-TO-DATE the picture of our beautiful Silver Springs, and as requested, I come again to tell the ancient legend of the tall pine that shows in the center of the picture, and of the origin of the long moss that hangs from the branches of the trees in most of our Gulf Coast country.

The legend is this: Many, many moons ago, long before the white man came to Florida, two young braves loved the same Indian maiden. She loved one of them, but her father, a great chief, made choice of the other, and she dared not choose between them. Finally the old chief, who thought bravery and the ability to fight were the only qualities in men to be admired, arranged that the young men must fight for the hand of his daughter, and since neither could be happy without her, the fight must be to the death, so that the survivor could have her in peace. The fight was to take place in an open spot not far from the springs, and the girl's lover told her of the arrangement and when and where the fight was to take place. She knew that her happiness depended upon the result of the contest, and so she climbed the tall pine and hid herself in its branches where she might witness the fight. Her lover was brave and strong and active, and was rapily overcoming his opponent, when her father, who was hidden behind a tree where he, too, could see the fight, shot an arrow through the heart of her almost victorious lover. The treachery of her father and the death of her lover so overcame her that she fell from the tree, and was found dead in the edge of the spring whose waters had become as pure and transparent as her own life had been. Her long hair had caught among the branches of the tree as she fell, where it hung and grew into the long moss that still waves in beauty not only from the stately pine, but it has blown and spread from tree to tree, until it has become one of the weird wonders of our beautiful country.

This is the story and I hope it will interest the northern Cadets, who never heard it, and who perhaps never saw any of our long southern moss.

LUCY DEAN.

Yes, that is the story, much as we heard it while in the South nearly twenty years ago. Of course it is only a legend, but it is weirdly interesting, and it adds to the ghostly appearance of the long moss.

No wonder the farmer boys are getting a little proud that they are farmer boys. The following letter tells its own story:

Dear Cadets:

I live in the corn belt of Illinois, and we are beginning to feel a little big up here, the true servants of the real king—King Corn. Over a billion dollars created by a single farm crop. Suppose all the corn growers had been organized on the true Equity plan, and could have got only a fair share of the profit that crop was to the world! It would have brought back to the country many a farmer that has drifted to the city in search of a job, only to find a harder time than he or his family ever knew to leave the farm, but I shall work to make farming better all the time.

After all, the farmers are getting pretty fair prices now, and the situation is well expressed in the following verses, which I find in one of the papers we take:

Now the times are looking up,
The farmer has a smile;
For corn is King, when gathered in,
And he's the man is Style!

All his crops are in demand—
The fleeces from his flock.
There's not a thing but values bring;
The farmer's on the top!

JOSEPH TRUMAN.
Moultrie Co., Ill.

Yes, corn is sure enough the agricultural king, and it will be a long time before any other crop, or any other industry, will venture to dispute his right to the throne.

The following letter continues bright and cheerful words of the farm and farm life, and we are glad to print it thus at the beginning of the year:

Dear Cadets:

I am not a very big boy, but I like to read the letters and the other good things in UP-TO-DATE. I live in the country, and I am glad of it, for when the farmers learn to control the markets on the equity plan, I believe farming will be the best business on earth. It is true there is always something to do one the farm, but there is always something to enjoy. I found the following verses in a paper the other day, and they tell it better than I can. I do not know who the author is:

On the farm in January
All the farmer folks are merry.

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To Introduce Our New Excelsior Solar Telescope



A large, powerful Achromatic Telescope for terrestrial and celestial use. It is provided with a Solar Eye-Piece. With this you look the Sun square in the face—study it as you do the Moon by night. Every student needs one. Eye-piece alone is worth more than we charge for the entire telescope. Remove Eye-piece lens and you have a perfect telescope for land observations. Read what this customer says:

Stevensville, Ont.
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Never before sold on any telescope for less than $8.00 or $10.00.

Positively such a good telescope was never sold for this price before. They are made by one of the largest manufacturers in Europe. Measure closed 12 inches and opens 3½ feet in 5 sections. They are BRASS-BOUND, BRASS SAFETY CAP on each end to exclude dust, etc., with POWERFUL LENSES. Heretofore telescopes of this size have been sold for from $8.00 to $10.00. Objects many miles away are brought to view with astonishing clearness. Examine fences and count stock at several miles distant. Every farmer needs one. Save their cost in a week on any farm. Sent by mail

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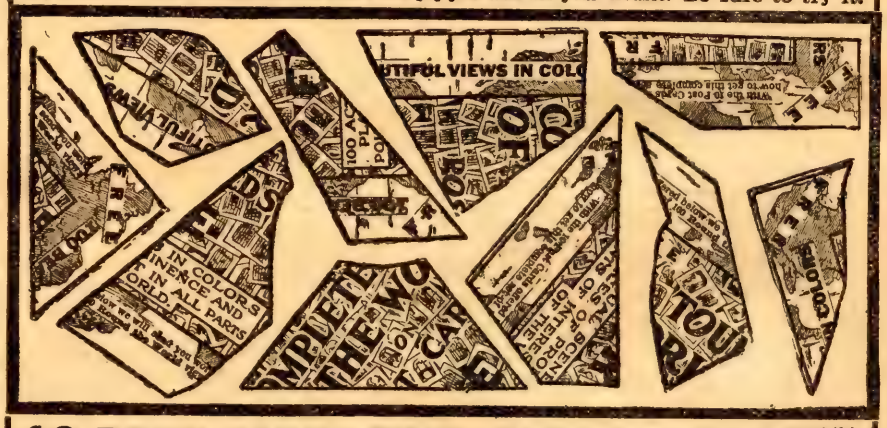
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We have printed a set of 10 beautiful Easter Postal Cards showing highly colored Easter Eggs and other designs in all sizes, These 10 cards free for 3c in stamps and with it Our Great Surprise Offer. Address
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Send us your name and address and a two-cent stamp. We will send you six handsome Valentine Post Cards and our great big surprise offer FREE. Address
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10 FINE POST CARDS FREE
CAN YOU CUT OUT THIS PUZZLE AND PUT IT TOGETHER

Cut-out Puzzles are a great fad these days. They are interesting, educational and a wonderful **training for the eye.** Can you cut this one out and put it together as it belongs? If you put them together just right, they will fit perfectly and **tell you something** that will interest you. It looks rather hard at first glance, but you should be able to do it with a little study. Anyway we want you to **try it** and our **free reward** offered below will pay you well for your trouble. **Be sure to try it.**



10 POST CARDS FOR YOU. We want to see how many persons can put this puzzle together, getting each piece in its right place. There are **10 pieces** in all and we want you to cut them out, trim them neatly and paste them on a piece of paper. This is a practical puzzle. After you have cut the pieces out, trimmed them and found out how they go, we want you to paste them on a piece of paper, write your name and address on it and send to us with **4 cents in postage stamps.** To pay you for your trouble, we will send you **free 10 assorted post cards,** art, picture, historic, humorous, etc., designs. We have a wonderful assortment. When we send you these **10 free cards** we will also tell you how **you can get Free of all charge** any of our new post card series, including "100 Around the World Views," "24 Rulers of the World," "Poets and Flowers," etc. Just send your solution of the Cut-Out Puzzle and **4 cents postage** to

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It is impossible for us to describe the beauty of these cards we want to send you—you must see them in their beautiful colors and full gold embossing to appreciate them. These Gold Cards are the newest, richest, most expensive and exquisite valentine cards you have ever seen. We want to introduce our goods in your locality. All you have to do is to send us 3 cents in stamps to help pay postage and packing expense. You receive cards and our Great Surprise Offer. You will want to remember all your friends on St. Valentine's day. Address **POST CARD HOUSE, Dept. 658, Springfield, Mass.**

A CART LOAD OF FUN This is the name of our book that should be in every home. More fun to the square inch than a cage of monkeys. A "cart-load" indeed. Space will not permit of our telling much about this book. Take our word for it, that it is worth many times our price. If you are not satisfied we return your money on request. Among the titles of the anecdotes and stories contained in "A CART LOAD OF FUN" are the following: "A Man with a Liver," "Pumpkin Pie," "Potts and the Lightning-Rod Man," "How to Go-a-Courting," Baumgartner's Dog." "Stowe's Elephant Story," "Marriage a Scheme to Manufacture Happiness," "Mrs. Jones' Burglar." "Deacon Amos Tenderloin Discusses Dudes," The Sad Case of Fillay du Biff," "A Primeval Scrap," "A One-Horse Hotel." "He Concluded not to Commit Suicide," "Queerly Married." "Hannah was Aroused," "How the Tired Patient Man had His Feelings Upset," "Jone's Baby," "Breaking up a Cat Concert," and 148 others. "A CART LOAD OF FUN" is a book of 64 large double column pages, neatly bound in attractive colored paper covers price 10c each, 3 for 25c; postpaid. COONER & FORTUNE CO., Indianapolis **FOR 10 cts.**

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Through the Feet

Just Send Your Name on a Postal and Get FREE TO TRY My $1 External Remedy That

Is Curing Thousands



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Magic Foot Drafts cured Col. Geo. D. Alexander, a civil war veteran, of Ruston, La., age 84, after 20 years suffering, and after medicines and baths had failed.

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A Million People, all over the world, have accepted our approval offer, and nearly all of them, we hope, are cured to stay cured. Many thousands of them have written us grateful letters, which we are proud to show anyone interested. This great remedy stands alone as the one absolutely safe, convenient external treatment, so sure to cure that we ask no money in advance. Just send your address. Return mail brings you the Drafts, prepaid. Try them as directed, then, if you are fully satisfied with the benefit received, send us One Dollar. If not, they cost you nothing. **You decide, and we take your word. Magic Foot Draft Co.**, HA1 Oliver Bldg., Jackson, Mich. **Write today.**



FREE WATCH—RING and CHAIN WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely designed case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.



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PATENTS THAT PAY Protect Your Idea! 2 Books Free: "Fortunes in Patents—What and How to Invent." And 61-page Guide. Free report as to Patenabtility.
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Black Hawk Corn Sheller

$1.75

It is the standard. Everybody has heard of the famous BLACK HAWK SHELLER, hence we need not say much about them. This is absolutely the highest grade sheller on the market. Made of best material. Separates cobs from corn. Runs easy. Practically indestructible. Our *Special Price* only **$1.75**



A good first-class sheller will save its cost in a week's use.

O. K. SEED STORE, Indianapolis

February brings its joy
To each sportive farmer's boy.

March is windy, rough and wild,
Loved by every farmer's child,

April with her wild flowers laden
Comes to bless each farmer's maiden.

May the month of apple bloom
Fills the farm-house with perfume.

June with roses scattered wide
Crowns with joy the farmer's bride.

Busy July days appear
But the farmer works with cheer.

August sheaves the store house fill
Making farm-folks happy still.

Gay September, cider presses,
Bashful farm-boy love confesses.

While October nuts are falling
Farmer lads for guns are calling.

When November crowns the year
Farmers hold a feast of cheer.

This, December's wealth of grace,
Christmas on the old farm place.

Ain't that just about the truth? I pity the farm boys and girls that can't find the pleasures.

JAMES CANTRELL.
Labette Co., Kansas.

That is sure the truth, and looking back to the old farm home, we believe that was the happiest place on earth.

The next letter tells about our post cards, and we are not at all surprised at that, for we are never satisfied with anything that isn't the very best:

Dear Cadets:

Have you seen the UP-TO-DATE post cards? If not you have missed it. I have obtained several clubs of subscribers, and in that way I got the Beauties of Friendship cards, the Tour Around the World cards, the Thanksgiving cards, and the Christmas cards. My friends think they are the nicest cards they ever saw, and I know they are. Our whole school was delighted with them.

We had a delightful Christmas exercise in our Sunday School, and our day school is as interesting as it can be. UP-TO-DATE is the best paper we take.

JULIA MERCER.
Grant Co., Ind.

Everybody likes our post cards, and if we were to tell how many we have sent to our friends on our various offers, our readers could scarcely believe us. But we still have more.

We have other letters, but we must close this time with the following verses, written by a Southern lady, and published in one of our exchanges:

THE WAY OF LIFE

Do not sigh, the rain is falling
And the skies are dull and gray.
We should not prize, were it not for this,
The bright and sunny day.

Do not fret, that pain and sickness
Still are burdens we must bear,
Health would ne'er be duly valued
If of ills we had no share.

Do not weep, that care and sorrow
Our sweet peace of mind annoy.
If we had no time of trouble
We would never have a joy.

Thus, as God has wisely planned it,
Each in turn, come dark and light,
None escape, and none are slighted—
'Tis the way of Life, and right.

Thus we begin the New Year. It will have its lights and its shadows; its bright days and its dark ones; its joys and its sorrows. Life is much as it always has been, and it will continue to be so, except, let us hope, it will constantly gain in brightness, and goodness, and gladness. We wish our Cadets a happy and prosperous New Year, and that by the time another New Year comes, UP-TO-DATE FARMING may gladden half a million more homes where bright boys and girls are growing up to be good men and women.



No, these are not all Cadets of Equity, but they are going to be in—only a few years.

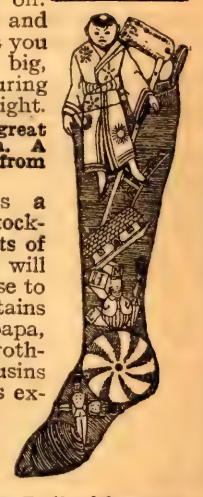
GIRLS HANDSOME FRENCH DOLL AND TOY-FILLED STOCKING

Without exception this is the greatest and best offer ever made, as a Beautiful French Doll and a Treasure Stocking filled with Toys are sent you as one present.



PRIZE No. 1 This French Doll is the handsomest dolly ever brought to the United States. She is dressed exquisitely, and with the very best materials. She has genuine eyelashes, which make her wonderfully beautiful. Her eyes close when she lies down. Her knees, legs, arms, elbows and head are jointed in a unique manner, so that they move in a wonderfully life-like way. Her clothing is in separate garments; each piece can be taken off. Dolly can be dressed and undressed as often as you wish and she is a big, fine large doll, measuring eighteen inches in height. **REMEMBER, she is a great big doll, tall and stylish. A French darling direct from Paris.**

GIVEN EXTRA A BIG STOCKING FILLED WITH 15 FINE TOYS



PRIZE No. 2 is a stocking filled with all sorts of toys. This stocking will bring a happy surprise to everybody, as it contains presents for your papa, your mamma, your brothers, your sisters, cousins and friends, as well as extra toys for yourself. This stocking contains from nine to twelve extra presents.

NOTICE TO PARENTS This fine, big, French Sleeping Doll with genuine eyelashes and a big stocking full of toys will be sent charges prepaid.

Just send me your name and address, and I will send you 30 packages of **Exquisite, Lasting Perfume,** which you are to dispose of on my special premium offer of ten cents each. Send me the $3.00 you have collected, and I will immediately send you, all charges prepaid, this **Beautiful Doll and the Stocking Full of Extra Presents.** This is the best offer you have ever seen, so send me your name and address, that's all, and I will trust you with the perfume, so that you will have this Fine French Doll with Genuine Eyelashes and the Stocking Full of Toys within a very short time. Address

P. J. ALLEN, 631 West 43d Street, New York City. Dept. 20.

IF there is a reader of UP-TO-DATE FARMING who has $1,000 or more to invest in a new land and tobacco company I want to hear from him, or her. The investment will stand fullest investigation, and I invite it. Strictly high-grade. Will return your money in a short time and pay handsome dividends. Best business men invite you to join with them. Chas. H. Lee, 719 E. St. Clair St., Indianapolis, Indiana.

3127 CARDS Hidden Name, Silk Fringe, Transparent Envelope and POST New Joker and Escort with Agent's NEW Sample Book and Outfit. All for a 2-CENT stamp. BUCKEYE CARD CO., Cadiz, Ohio.

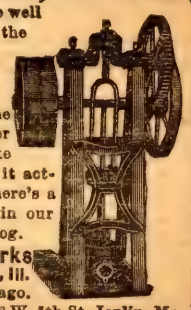
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delivered by any other deep well cylinder pump, is raised by the

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The reason is it delivers the full capacity of the cylinder both on the DOWN-stroke and the UP-stroke making it actually double capacity. There's a revelation to pump users in our new Deep Well Pump Catalog.



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CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 55, Sta. F, Toledo, Ohio.

Sell Your Fur In The East

Send your fur where it will bring the most money. The East is the raw fur center. The East is the heart of the raw fur trade, pumping its life blood of dollars all over the world where furs are caught. This paper is full of advertisements from Western fur buyers. **But they ALL sell to Eastern dealers.** It makes no difference what **they** say; we **repeat** it—**THEY ALL SELL THEIR FUR TO EASTERN DEALERS.** We are here in the East within a few miles of Canada and New York City, the world's greatest fur markets, we **own our plant** and pay no rent, we do business **at small expense** and we pay from **ten to thirty per cent. more for furs** than **any** other dealer, **East or West.** This is no idle statement, but a **proven** fact. We have the **proof right in our catalogue.** Your Bank in **your own town** will tell you **we are reliable.** Send to-day—**now**—for our big **free** trappers' and buyers' guide, market report and price- list. This is **different from anything you ever saw,** and **costs** you **nothing** but the time it takes you to write for it. Do it to-day and **get more $$ for your furs.**

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You get the highest prices and the quickest returns when y u ship your furs to Funsten. We receive and sell more furs direct from trapping sections than any house in the world. The biggest American and foreign buyers are represented at our regular sales. The fierce competition among buyers enables us to get higher prices than anyone else. That's why we can send you the most money for your furs, and send it quicker. Trappers' outfits furnished at cost.

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While work is slack, do some trapping. It pays big profits. We send our Trapper's Guide, Fur Market Reports and Shipping Tags FREE. Write today for Catalog C and New Trapper's Guide, full of success and money-making secrets—ALL SENT FREE. (3)

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ANDERSON BROS., Dept. 35 Minneapolis, Minn.



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To McMILLAN FUR & WOOL CO.
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Illustrated Circular Free to anyone interested in RAW FURS.
Trappers' Guide Free to those who ship to us.

We Pay HIGHEST PRICES For RAW FURS
and also give you a share of the profit we make when we resell. Our new Profit-Sharing Plan makes Kann Returns larger than you would get elsewhere. Fair treatment guaranteed by our 20 years of fur buying. Express charges paid and settlements made immediately. Write today for Price List and Profit-Sharing Plan.
Kann & Company, 55 East 10th Street NEW YORK

FOR YOUR HIDE'S SAKE
Have it tanned with the hair on for a coat, robe or rug. We pay freight both ways if four hides are sent at one time. Send for price list.
The Worthing & Alger Co., Hillsdale, Mich.

PRESENT TRAPPING VS. PIONEER TRAPPING

In the early days the trapper started out usually with a pack horse loaded with traps and supplies. He made his long tedious pilgrimage in the wilds to his trapping ground to stay for a year or more. Sometimes he was successful in bringing in a good catch, other times his luck was bad; and many, many times he never returned from these lonely treacherous expeditions. In those days the trapper and hunter was usually out for the bigger game, such as the bear, buffalo and similar kinds. The smaller animals, such as the mink, coon, muskrat and skunk were not sought for in most sections.

There is more trapping done now than in the pioneer days for several reasons; strange as it may seem, there are more fur bearing animals today than there were a hundred years ago. It is a fact well known in the fur trade that fur bearing animals of certain kinds increase with civilization up to a certain point. The principal reason being on account of the increased food supply for these animals, as they live on products of the farmers and ranchman and have cunning means of protecting themselves by keeping under cover in holes and otherwise.

Another reason for the increased interest in trapping, is that the trapper of today has improved methods, such as perfected traps and irresistible baits and scents that draw animals to their traps in spite of all their wiles and cunning. Then, too, the high prices that furs bring nowadays makes the occupation of trapping a very profitable one, even for the man who devotes only part of his time to the business.

Many people not familiar with trapping are of the opinion that there are only a few kinds of furs that have a value. While the facts are, all kinds of furs and skins have a market value —and in most cases they bring high values. The skins from the raccoon, mink, skunk, opossum, beaver, otter, muskrat, foxes, wolves, lynx, marten and even the pelt of the humble domestic house cat is in demand and at better prices than they have ever been known to reach.

Another reason why there is so much more trapping done in these times than in the days of old, is because of the great improvement in the marketing of furs for the trapper. In the early days it usually took a year or two for the trapper to market his season's catch—that is, he would do so usually only once a year, sometimes once in two or three years. While today the farm boy or the man whose work is light in the winter, as well as the professional trapper, can put in a week trapping and can ship his furs to market by mail, express or freight to reliable houses that make a business of receiving shipments of furs from trappers from every section of the United States, Canada and Alaska.

With the increased number of fur bearing animals, the added facilities for their capture and the alluring prices paid for their skins, the trapping business today is not to be compared with the trapping business in pioneer days. Instead of trapping being a trade of the past, as many people believe it is, it's a trade of the present and the future.

HUNTING IN IOWA

Hunting is pretty good in Iowa, especially in the district I am in. The quail are pretty thick and the rabbits are too thick, as they do much harm to the cabbage and trees. There are also a few prairie chickens here but they will soon be extinct. In the spring and fall the Mississippi is full of wild ducks, and if you wish to get goose and brant you need only to go about seven miles out in the country where the ponds and cornfields are full of them.

I trap most of the time in the winter, and hunt also. I will tell you of a rabbit hunt. I got up early one morning to go to see my traps. I always take a shot gun along so if I should see anything I am always ready for it, but I was in a hurry that morning to get away and I forgot to load my gun. Of course the first thing that I saw was a rabbit about 18 yards in front of me, so I took good aim and pulled the trigger, but to my surprise the gun did not go off, so I opened it up and saw there was no load in it. By that time the rabbit was gone. I closed the gun and went after the rabbit but I forgot to put a shell in it, as I was in such a hurry. The rabbit went in some brush and I stood behind a tree so when he came out I would get him. Pretty soon the dog which I had with me scared him out and the rabbit sat still about 5 yards in front of me. I took good aim but got fooled as I did the first time. I was so mad I could have smashed the gun to pieces, so I put in a shell this time. But again Mr. Rabbit was gone. I was sure ready for the next one, and went on to look at my traps.

I soon saw another rabbit which I got, and as soon as I got one rabbit I got plenty more, so I got ten rabbits and two squirrels and three quails that morning, which made up for my first and second shots which did not go off. I certainly was feeling good then.

My catch that morning was 5 raccoons, 2 skunks and 1 mink. I use the Newhouse traps, which I think are the best. I also use some Stop Thief traps.

I read recently some statements made regarding the Stop Thief trap catching the fur bearers without them suffering any. I am glad to hear that and agree with the writer on that subject. The article also mentioned about not trapping on Sunday. I do not agree on this as I will trap and hunt on Sundays as well as any other day.—Asher H. Weiss.

There has been placed on the market recently a compound that is of the greatest value to the farmer, and every one who uses tools. It is a chemical in powder form known as Smooth-On Household Iron Cement No. 1, which when mixed with water forms an iron paste that hardens in a few hours and becomes a part of the metal to which it is applied. For repairing cracked and broken farm machinery it is unsurpassed, for the reason that it is the only thing that will do anything of the kind. Nothing can fill its place in repairing metal water tanks, cracked stove lids, resetting umbrella handles, and a thousand and one other uses to which it will be put by every purchaser. No skill is required to apply this cement, and a 15c box kept for emergencies will pay for itself a hundred times over.

The Cornish Book is a most interesting and attractive piece of literature. It contains some exquisite reproductions of high grade pianos and organs, and explains a lot of things every householder ought to know about these musical instruments. The book is free to any subscriber mentioning this paper and writing to the Cornish Co., Washington, N. J.

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Whether Cow, Steer, Bull, or Horse Hide, Calf, Dog, Deer, or any kind of hide or skin, soft, light, odorless and moth-proof for robe,rug,coat or gloves, and make them up when so ordered.

But first get our illustrated catalog, with prices, shipping tags and instructions. We are the largest custom fur tanners of large wild and domestic animal skins in the world.

Distance makes no difference whatever. Ship three or more cow or horse hides together from anywhere, and Crosby pays the freight both ways. We sell fur coats and gloves, do taxidermy and head mounting.

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WANTED

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Milton Schreiber & Co.
Dept. F F RAW FURS
28-30 East 12th St., NEW YORK CITY.



RAW FURS WANTED

Skunk, Mink, Raccoon, Opossum, Fox, Muskrat and other furs are bringing high prices in New York, the best market for you to ship to. Do you want to know **"How To Get More Money For Your Raw Furs?"** write and ask for my price list—it's free.

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TRAPPERS and SHIPPERS

your name please? The is now at better prepar- than ever and my prices, inter- able information, to and address now. I want furs from all sections. so it makes no difference where you are located. Write today to

and address, trapping season hand and I am ed for the season ask all who want esting and valu- send their name

FRED WHITE BELOIT, KANSAS



SEND US YOUR FURS

Make money on this years catch by sending it to us. We pay highest prices. . and guarantee satisfactory returns. Shipments held separate on request. We pay all express charges and charge no commission. Get our price list and shipping tags now. All sent free upon request. A postal brings them. Let us keep you posted. Write today. Reference: East River Nat. Bank.
Struck-Chaitin Co., Dept. G., 8 E. 12th St., N. Y.

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BLACK'S HIDE & FUR CO., Durand, Wis.

FUR ROBES, Coats and mittens at cost. Ship us your horse, cow and animal skins. We tan and manufacture to order. Samples and circulars free.
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Tell them you saw the "ad" in Up-to-Date Farming

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SAVE from **$50 to $300** by buying your gasoline engine of 2 to 22 horse-power from a real engine factory. Save dealer, jobber and catalogue house profit. No such offer as I make on the class of engine I sell has ever been made before in all Gasoline Engine history. Here is the secret and reason: I turn them out all alike by the thousands in my enormous modern factory, equipped with automatic machinery. I sell them direct to you for less money than some factories can make them at actual shop cost.

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An engine that is made so good in the factory that I will send it out anywhere in the U. S. without an expert to any inexperienced users, on 30 days' free trial, to test against any engine made of similar horse-power that sells for twice as much, and let him be the judge. **Sell your poorest horse and buy a**

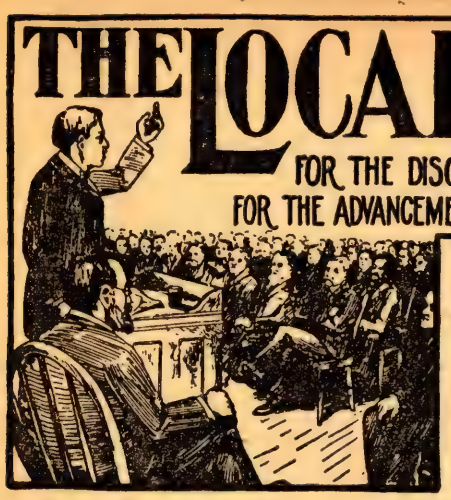
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Only reliable advertisers are admitted to our columns, and we guarantee that they will deal honestly with subscribers. Should they not, we will make good any loss to paid-in-advance subscribers. It is understood that this guarantee is not binding on the publisher unelss you mention UP-TO-DATE FARMING when you write and you report any dissatisfaction within a month of the date of the paper.

Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

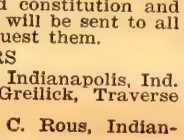
OFFICERS

President, J. A. Everitt, Indianapolis, Ind.
Vice-President, W. E. Greilick, Traverse City, Mich.
Secretary-Treasurer, I. C. Rous, Indianapolis, Indiana.

DIRECTORS

President and Vice-President, and the following: N. M. Ashby, Sebree, Ky.; J. M. Myers, Ramsey, N. J.; R. Sherod, Keosauqua, Ia.; W. H. Mitchell, Hutchinson, Kan.; L. H. Johnson, Attica, Ind.; S. W. Morris, Rochester, Minn.

THE FARMERS UNION LABEL must be made the strongest link in the chain of organized farmers, as it has been the strongest link in the chain of organized laborers. By the use of the Label an article will be recognized as the product of co-operating farmers, and those who buy farm produce can know when they are patronizing and sustaining organized efforts for improved conditions. Use the label on all the produce you market and on your letters and envelopes.



Minimum Prices, 1909 Crops

Farmers are urged to fix the below prices in their minds and communicate them to their neighbors who may not be subscribers. They are reasonable, fair and equitable, compared with prices placed on other commodities. Farmers should hold for them, ask them, and not sell for less as the world must have ALL the supply and not just part of it, all those who refuse to sell below the minimum prices will get them. A years demand must be supplied over a year instead of a years supply being dumped in a few weeks.

When the price is reached at the base market is the time to sell. The farm price will be the base price less freight and a fair commission to the handler.

WHEAT—No. 2 Red, Chicago, per bu	$ 1.25
WHEAT—No. 1 Northern, Minn., bu	1.25
CORN—No. 2 till Jan. 1, Chicago, bu	.75
CORN—No. 2 after Jan. 1, Chi., bu	.75
OATS—No. 2 White, per bu	.50
BARLEY—Good malting, Chicago, bu	.65
BARLEY—Good feeding, Chicago, bu	.55
RYE—Chicago, per bu	.80
FLAX SEED—No. 2, Chicago, per bu	1.50
HAY—No. 1 timothy, Chi., per ton	15.00
HAY—No. 2 timothy, Chi., per ton	14.00
HOGS—Good to choice, Chicago, per cwt.	$7.50@8.00
CATTLE—Good to choice steers, Chicago, per cwt.	$6.50@7.50
POTATOES—No. 1, Chicago, per bu (Michigan growers set 50c at their station as minimum price.)	.60
BEANS—Prime, white, Chicago, bu.	2.50
COTTON—Middling upland, per lb.	.14
COTTON—Middling gulf, per lb.	14.50
TOBACCO—(Subject to change by	
TOBACCO—(Subject to change by the Burley, Green River and Stemming District Associations)	
—Burley tobacco, average price, per lb.	.15
—Green River dark, average price, lb.	.08
—Stemming dark, average price, per lb.	.10



We wish one and all a happy and prosperous New Year—Up-to-Date F.

29,632

—o—

That is the number of new subscribers received for Up-to-Date Farming December 1 to 22, inclusive.

—o—

It represents a mighty army in itself—a great multitude of farmers to be educated on the marketing side of their business.

—o—

UP-TO-DATE FARMING is qualified to accomplish the education and glad to undertake it. More than this, we expect to add nearly or quite as many each month in the year 1910 and organize all of them into a co-operative body such as the world never saw before.

—o—

The very particular attention of each reader is now called to the call for "A Local Union of the Farmers Society of Equity in Every Neighborhood" on this page.

—o—

This call is to the thousands of old local unions that were organized in 1902 to 1907 inclusive, but which disbanded when the objects for which they organized were abandoned by those who captured the old organization, also to the farmers in all communities in the country where there are one or more readers of this paper.

—o—

The necessity for this call, and its timeliness cannot be shown more forcibly than in the letter of Mr. Prescott's that we print, as follows:

Glendeane, Ky., Dec. 18, 1909.
Mr. J. A. Everitt, President F. S. E.,
Indianapolis, Ind.

Dear Sir:

The tobacco situation in Kentucky is very unsatisfactory at present. The controlling powers seem powerless to meet the requirements of the situation satisfactorily. There is in Kentucky many an honest fellow who knows now that it would have been better if he would have gone with the Farmers Society of Equity when the old organization changed leaders and its plans. I believe I understand the situation, and in my opinion you can reorganize this entire state in the next ninety days. Just write up the situation in UP-TO-DATE FARMING, promise to control the tobacco situation, send copies of the paper to old members, and appoint many local organizers and the reorganization will soon be accomplished.

If you will do this, I can personally soon place three counties in an organized condition. Give me full authority and supply me with literature. *I am ready. WE NEED HELP!* J. R. PRESCOTT.

—o—

This call causes our mind to go back to 1903 and 1904, when **appeals for help** were numerous from the tobacco-growing districts. Then the tobacco growers wore the shackles placed on them by their own indiscretions, and the fact that the buyers of tobacco embraced the opportunity afforded them because of over-production, to force prices down below a profitable basis.

—o—

We responded to the call. In four years the growers became masters of the situation and had compelled profitable prices to be paid. But then troublous times came. It is unnecessary to review them now. Our thoughts are not so much on the past as on the future. Let the dead past bury its errors and forget them, and let's live in the present, embrace our opportunities and enjoy a glorious future.

—o—

Up-to-Date Farming and the Farmers Society of Equity exist to help farmers, and an earnest call will never be in vain. We replied to Mr. Prescott's call as follows:

"We had already realized the situation and are at work on a statement of it and how to control it.

"The simple, pure Equity plan, such as was tried, proven and found sufficient is all you need to control the situation in Kentucky. We admit that very few of your people ever understood the plan, and this applies as well to their leaders. But the statement of the plan we are at work on will make it as clear as a cloudless midday. When the true, undefiled Equity system is applied to the tobacco situation all your troubles will take wings and fly away. Then all the growers will come into the organization, not only a part of them, and they will come in, not because of fear, but because they cannot afford to be out of it. Then moral suasion and self-interest will be far more powerful than threats, switches and fire. Also, then night riding will be unknown and all the cruelty that was felt in the past will be ended never to be known again as long as the genuine Equity system is maintained. Then (note this carefully) the Farmers Society of Equity and the buyers of tobacco will be the very best of friends and they will cooperate to uphold each other."

—o—

You say: "What strange doctrine is that where you say the Farmers Society of Equity and the buyers of tobacco will uphold each other?" It

You Positively Need a Local Union

of the Farmers Society of Equity in Your Neighborhood

YOU Can Organize One at Your Shipping Town
Nothing Will Equal It for Benefit to Your Community

The Advantages

It will at once connect you with other co-operating farmers and local unions all over the country.

It is the only way to connect with a national organization that has a practical and successful plan for nation-wide co-operation, including every crop grown on farms, to secure profitable prices always.

Farmers' families must know each other better in a business way and socially. The local unions of the Farmers Society of Equity afford the only way to do this locally and nationally.

Start your local union NOW and enjoy its social and business advantages all through the winter months. My word for it, each farmer who joins will be better prepared to cope with the farm problems of 1910 than he ever was before.

Just think of being a part of a GREAT NATIONAL ORGANIZATION and doing the very things that hundreds of thousands of other farmers are doing all over the country. And it will be the same with farmers' wives and their sons and daughters. In other words, the power of the combined membership of the Local Unions of the Farmers Society of Equity can be thrown in any effort to get what farmers are entitled to.

Start your Local Union now and there will be so much enthusiasm among old, middle-aged and young people, and such great benefits will be realized that you will never think of doing without it.

For full instructions how to organize a Local Union, blanks to report it and directions for conducting it, address as below. The cost is nominal.

FARMERS SOCIETY OF EQUITY, INDIANAPOLIS, IND.
J. A. EVERITT, President.

We Will Saturate the Country With Local Unions

ELLWOOD FENCE

MADE OF TOUGH SPRINGY STEEL

Savings from a Well-Fenced Farm Will Pay for Other Improvements

"'The most profitable crop walks to market or is carried in the cream can.' The raising of swine can be made one of the most profitable industries. It promises quicker and greater returns for labor and capital expended. Changing swine from one pasture to another is desirable, as they will do vastly better on fresh pasture and keep much healthier."

W. W. P. McCONNELL.

Ellwood Fence is built on simple, correct principles. The cross (or mesh) wires are firmly wound around heavy cable horizontal or line wires, forming a truss brace that effectually prevents side-slipping. It really is a WIRE BOARD, with meshes only 4 inches across throughout the first 18 inches of all styles of hog fences.

Ellwood Fences combine great strength with closeness of mesh. They hold the grown hog and the suckling pig. All styles furnished with barbed wire woven at bottom if desired. With barbed-bottom Ellwood Hog Fence you save the cost of an extra strand of barbed wire stretched under the fence, as is required with plain bottom fence.

F. BAACKES, Vice-President and General Sales Agent
AMERICAN STEEL & WIRE CO.
Chicago New York Denver San Francisco

NOTE.—Dealers Everywhere. See the one in your town and have him show you the different designs and give prices. Also get from him booklet entitled "How to Build a Cheap Concrete Fence Post," furnished free for the asking.

OREGON
1910
Is the Time
Railroad Development the Reason
FREE Richly Illustrated Booklets from all parts of Oregon, telling of FRUIT GROWING, FARMING, DAIRYING and other opportunities.
ASK QUESTIONS
PORTLAND COMMERCIAL CLUB
PORTLAND, OREGON
IS THE PLACE FOR YOU

PILE QUESTION

Would a sure guaranteed Pile Cure, one that is prepared by an Honest, Upright Reliable Association who will furnish Proof and best References interest You? If so send for our $1 Treatment which we mail Free on Trial. No Cure. No Pay.
Address HOME TREATMENT ASSOCIATION, Dept. A. Indianapolis, Indiana.

INDIGESTION My remedy will cure you just as it has THOUSANDS of others. If you are a sufferer from indigestion or any stomach trouble write for a free sample of FOWLER'S INDIGESTION AND STOMACH POWDER, a totally different remedy, that is harmless, yet wonderfully effective. At all druggists or by mail direct. $1.00 per box, 6 boxes $5.00. Address
Dept U. F., HARRY L. FOWLER
301 E. Houston St., San Antonio, Texas

TAPE-WORM EXPELLED WITH HEAD. GUARANTEED. BOOKLET FREE. BYRON FIELD & CO. 182 STATE STREET CHICAGO, ILL.

THE THIRD POWER

THIS BOOK APPEALS TO FARMERS NOW AS NEVER BEFORE

The simple, but powerful story of how the farmer power—the third power—will rise in America. It is a book that should be read by every farmer. Any farmer once reading it should see that all his neighbors are supplied with a copy. It gives a new education and multiplies the value of present knowledge for every person who tills the soil and raises crops for market.

320 *pages cloth bound*

English edition 25 *cents post paid*
Wholesale $15.00 *per* 100

German edition 50 *cents post paid*
Wholesale $30.00 *per* 100

Twenty-five or more at the hundred rate

J. A. EVERITT, Publisher
Indianapolis, Ind.

REQUEST ADVERTISERS WANT TO Know in what Paper they saw. Therefore We TO their Advertisement you Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers. READERS.

ought not to be a strange doctrine, and would not be if the true Equity teachings would have continued and prevailed now. But we will take up the teaching where it was thrown down and soon all will be understood again.

—o—

GET READY FOR THE BIG CAMPAIGN IN 1910.

—o—

In January we will send instructions to all subscribers to Up-to-Date Farming about making the first report on the 1910 crop, with the card to report on. This crop reporting feature was explained in our December 15th number under the head "The Law of Supply and Demand." If you did not read that article carefully, turn to page 5 and read it now.

—o—

Our old readers know how some farm papers opposed the early effort to establish the Equity Society and accomplish its good objects. It was necessary then, as now, to defend its principles and plans from such attacks. Finally those papers were persuaded to discontinue their opposition when they lost thousands of subscribers because of it. When the insurgents got control, many were the congratulations showered on them by those papers and they promised their hearty co-operation. They did that as a vindication for themselves and a justification for their former opposition. But soon a change came over them again. When one after another of their endorsed officials of the society were haled into the courts and convicted of the most despicable crime on the calendar, that of criminal libels. For more than a year those papers have been as silent as the grave about the movement, but recently one of them broke the silence and its case has been attended to on the 5th page of this number.

—o—

It would probably be impossible to state the case of that paper more lucidly if a column of space were used, than member, W. O. Reiter, of Plain View, Minn., stated it in a few words. In his letter of Dec. 20, 1909. He wrote:

"Friend Everitt: Enclosed is a clipping from the N. W. A. It seems funny to me; these fellows oppose a good thing as long as it is alive and doing good, but always praise it when it is dead."

—o—

We sincerely hope there will be no farm paper in the country that will oppose us, now that the time has come to re-establish the organization and since we have heeded the call. The help of every farm paper is needed and all will gain far more by supporting the movement than by opposing it. If any oppose, our policy will be the same as it was in the past and which is shown in the following copied from the issues of UP-TO-DATE FARMING of 1903, 4 and 5, in which it was kept standing:

The time for temporizing is past, and we call upon all farmers who want to see all serious problems of farmers solved, agriculture elevated to a level with the best business in America, and farmers honored and respected equal to those people in the most exalted positions, to refuse to support any paper that opposes this effort of farmers to organize to control the marketing of their crops. All other papers that treat you fairly in this matter, by good report or no report, should be entitled to your good will and support.

Take this matter up in your Local Union meetings and by your firesides and dispose of it in a way that will be creditable to you as men who ask only a square deal and as representatives of the most important business on earth.

We want all to understand that this is not an attempt to injure any publication, but it is an act of self-defense in the highest spirit of Equity. We ask no more than fairness, and one of the principles of the Farmers Society of Equity is to not be content with less than fairness. We do not demand the support of any paper, but we must resent its opposition.

In these dispassionate pleadings we ask the backing of all farmers and their co-operation.

—o—

And we stand squarely on the same platform today.

A HANDSOME CALENDAR FOR 1910

One of the most pleasing calendars for 1910 that we have seen is the one sent out by our friends, the Vermont Farm Machine Company.

It is in 10 colors and shows a pretty dairy maid in full regalia in the foreground, with a setting of trees, a running brook and a herd of dairy cows.

The Vermont Farm Machine Co., Bellows Falls, Vt., inform us they will mail to those readers of UP-TO-DATE FARMING interested in improved dairying methods, this beautiful ten-colored lithographed calendar who mention our paper. Better write at once before the calendars are all gone, as we understand their quantity is limited.

RENEWALS

Many subscriptions expire each month, but a very great many expired in December. All subscribers should now note the latest date in the address on the wrapper. If it is "Dec., '09" or "Jan. '10," I ask a prompt renewal.

If you will renew now, you can pay your subscription two years in advance for 50 cents. UP-TO-DATE FARMING gives the greatest value, for the subscription price, now of any farm paper, but before two years are around it will be printed weekly and improved in many ways. This paper never goes back, but always forward, FORWARD and UPWARD. And it is not necessary that your subscription has expired. If it expires later, you can take advantage of this great offer and your time will be extended two years.

You'd better not miss this low price. J. A. EVERITT, Editor,
Indianapolis, Ind.

The Family Grist Mill

Should Be In Every Home

This little mill has a well deserved reputation as the best of its class. Hand power. Can be attached to table, bin or box. Grinds corn, oats barley, coffee, etc. You can make your own corn meal and graham flour fresh every day. Just the thing for cracking grain for poultry. Capacity, 40 lbs. of coarse meal, or 25 lbs. of fine meal per hour. Made on honor and will wear a lifetime. **Price.....$3.00**

We received the Family Grist Mill, and find it as represented. Would not sell it at any price, if I could not get another. Our neighbors think it a grand mill, and you will get several orders from our town.
Mrs. A. F. Brown, Milton, Ill.



$3.00

Wt. 30 lbs

O. K. SEED STORE, Indianapolis, Indiana

OUR Profit-Sharing Offer

IF you have $50, $100 or $1,000, or if you can save a few dollars each month, which you would invest where it will provide you with a large immediate income, and with the opportunity for still greater profits, you will be interested in reading a book we have just issued and which we will send to you free on request.

In this book we have outlined the story of **the foremost business of its kind in America,** of the splendid success of the business, of its unusually large profits, and of the stability of its earnings.

In this book we have also outlined, as a part of its plan for handling its large and increasing business, an offer by this Company by which you may share, on an unusual basis, in the greater profits which this Company will make.

We call your attention to the following important facts:

1. **Your investment is guaranteed by ample assets of great value.**
2. **You will receive dividends from the very start.**
3. **The enterprise is firmly established.**
4. **It is in a thriving and prosperous condition.**
5. **It has very great prospects for the future.**

In addition to the **guaranteed income paid at once,** the opportunity offered is extraordinary because of the **profit-sharing feature,** by which you may share **permanently** in all the future profits of the Company, in its large and rapidly increasing business.

The Departments of the United States Government, leading professional and business men in every State in the Union, and in the Provinces of Canada, purchase and endorse the product of this Company, which is of world-wide interest in its character.

This most interesting book, fully explaining our "Profit-Sharing Offer," will be mailed to you promptly on request.

Cut Out the Coupon and Mail It TODAY

U. D. F.
1-1-10

R. S. PEALE
President
225 Fifth Ave.,
New York

Please send me book explaining your "Profit-Sharing Offer" without obligation on my part.

Name .....

Address .....

$8,760,000,000!!

That's the Value of Farm Products for 1909—Isn't It Great?

Think of producing on the farms of the United States twice as much new wealth in one year as is represented by all the gold money in the world outside of this country!

No wonder our esteemed friend, Secretary James Wilson, of the Department of Agriculture, is jubilant.

It is a showing that every citizen is proud of, whether he had a hand in the production or not.

The most gratifying story told by these figures is that they represent a gain over the previous year of $869,000,000.

We are going ahead—going ahead rapidly. That is the best message we gather from this report of our results for 1909.

But, instead of being content with these figures, let us take them only as an indication of what our real possibilities are, and let us use them merely as a mile post in our climb to better things.

Let each of us, for instance, look back over our operations of 1909 to determine whether or not we did our share toward making this showing possible.

We all know that there are about 6,000,000 farms in this country. Did 6,000,000 advance improve, produce more wealth—or did one million, two million, or three million do all of this pushing and improving of methods to make a gain of $869,000,000 possible?

We ought to stop and think of what has made the gains of former years possible. We must stop to realize that this gain of $869,000,000 for 1909 is not due to so much more land under cultivation, but has been brought about primarily by better methods of cultivating the same land that has been cultivated before: by better methods of preparing the soil, sowing the grain and harvesting the crops.

Without the wonderful strides made in the development of farm machines, an $8,760,000,000-crop would be entirely out of the question.

And yet there is room for progress—the rules of 1909 farming are not the rules for 1910. New machines mean new advances and new wealth. Do you keep abreast—are you posted about these things?

About traction plowing—how to plow more acres, in less time, with less expense, for better, bigger returns:

How a good disk harrow will enable you to make better seed beds;

Why it's to your advantage to spread manure the right way—as soon as you get it—instead of spreading it after half its value is gone.

About the money-saving and money-making advantages of having a good, reliable, dependable gasoline engine on your place; how it will help to keep the boys at home; how it will save you a hired man's wages—and how it will more than pay for itself in twelve months:

What the right kind of a cream harvester means to you in increased milk and butter profits—and skim-milk calves:

Why a good feed-grinder means fatter stock;

How greatly to increase the value of the 1910 hay crop by using the right mower, tedder, baler, etc.:

How to know all about harvesting machines;

How to get the most possible profit out of the stalks as well as out of the ears by harvesting your corn in the right way—at the right time:

How to know the ear marks of a good wagon.

If any of these will help you please secure a copy of our book—"Glimpses of Thriftland." That tells the whole story briefly and in verses that you'll like. Then we have some books that are still more business-like—the I H C Almanac and Encyclopaedia, and Farm Science. Say which you are most interested in. All are free for the asking.

There is an International dealer near you. He will be glad to see you to hand you one of our new 1910 calendars, posters, catalogues or pamphlets on harvesting and haying machines and tools, and tillage implements, or any of the machines mentioned above.

Yours for a still bigger showing in 1910

Prosperity—"Prosp" for short

INTERNATIONAL HARVESTER COMPANY OF AMERICA
(Incorporated)
CHICAGO, U. S. A.



10 Beautiful Post Cards. Birthday and flowers in natural colors, embossed. No trash. Howard Brown, dept. D., Old Bridge, N.J. **6c**

HAS THIS PAPER MADE YOU MONEY?

In the November 1st number, we offered several prizes for the best letters about **Up-to-Date Farming** and its share in helping farmers to secure profitable prices for their crops.

The following questions were asked as a guide: 1. How long have you read the paper? 2. Has it benefitted you? 3. What benefits have you received from it? 4. Have you adopted the plan of asking your prices for your crops? 5. How much financial benefit has the plan been to you? 6. How many other farm papers have you read regularly during the time?

SECOND PRIZE LETTER.

C. S. Van Dyke, Almont, N. D.

1. About four years.
2. It has benefitted me materially.
3. Its policy is unique. It has dared to champion the cause of the farmer in his primary need—concerted method of disposing of farm crops.
4. Yes. Influenced by *Up-to-Date Farming*, I and many of my neighbors have held our crops and sold them at much higher prices after the dumpers' 'season was over.
6. I have read one other farm paper during this time and three others part of the time, none of which have sounded the keynote to the farmers standing on an equal footing with other classes of business men.

The manufacturer, even before he he breaks ground for his factory, either knows the market price of his finished product or knows he can set it. The farmer, on the contrary, has equipped himself with land and all the needed implements and then blindly and meekly asked his customer to name the price of his produce. But *Up-to-Date* shrewdly recognized co-operation in marketing as the primary need, and sounded the bugle call to meet it. Then it devised a practical way, through the Farmers' Society of Equity, to meet the need.

In view of the fact that *Up-to-Date Farming* jeopardized its publishers financial success in espousing the farmers righteous cause and in standing alone in the patriotic character of its policy, I have been led, as all farmers should be, to its more loyal support.

THIRD PRIZE LETTERS.

Ima Myers, R. F. D. 1, Hillsboro, Ill.

From the few copies of *Up-to-Date Farming* we have read, we are new subscribers, we know how much we owe to your paper. Your gospel is a new one for our community—"Farmers to the Front;" "Equitable Prices for All Farm Products;" "Controlled Marketing." In the past the produce dealers were the men to the front. Sometimes we were able to "split the difference," with them, but most often have taken the price they offered. The idea of organizing and getting ourselves in a condition so we can set our own prices *and get them*, was a new one that *Up-to-Date Farming* first taught us. This idea has taken firm hold with farmers everywhere and I, for one, don't see why it cannot be carried out to perfection. I like the editorials in *Up-to-Date*, and commend the way right, justice and Equity are upheld and contended for. The thought that the farmers in their millions of fields, and their millions of throbbing hearts, may all act in union by the same impulse given them by our paper is an inspiring one. The "Telescope" page is fine, and the one that many readers will read first to learn what is new and how the markets are behaving. We enjoy all the departments, in short the arrival of *Up-to-Date Farming* makes us all feel as though our kin-folk has arrived.

T. Palmer, R. F. D. 2, Sarcoxie, M.

1. I have been a reader of *Up-to-Date Farming* three years.
2. Yes.
3. I have been benefitted several times more than the subscription price I have applied its teachings to my business with profit.
4. Yes. I have been asking more for my produce the past two years and usually get my price. I believe the principles *Up-to-Date Farming* teaches are right and I intend to pull harder for independence in price making in the future than in the past. With the co-operation of my brother farmers we will succeed.
5. Yes.
6. I take six other farm papers but like *Up-to-Date* the best of all because it tells me how to get the right prices for my crops, while the others only tell me how to produce them. I always read *Up-to-Date Farming* first.

Be careful. Care prevents many dropped stitches and bad breaks. Be prompt. Slackness makes slovenly homes and weary world wanderers. Be faithful. "Be thou faithful unto death, and I will give thee a crown of life." Be cheerful. Cheerfulness tends to length of days and to days that are worth the lengthening. Be thoughtful. Thoughtfulness is too tender a plant of blessed fragrance and beauty to be "born unseen," etc. Be good-humored. Good humor is better than medicine, no matter how well the ill-natured pill be sugar-coated.—McCall's Magazine.

From Bakery to Farm

Soda crackers are a long time on the road to the country store, and from there to the country home. But

Uneeda Biscuit

—no matter how far they journey, never become travel worn. As you open their moisture proof protecting package you always find them not only store fresh, but bakery fresh—clean, crisp and whole.

A package costs 5c.

(Never Sold in Bulk)

NATIONAL BISCUIT COMPANY

Stem-Wind and Stem-Set Guaranteed Watch

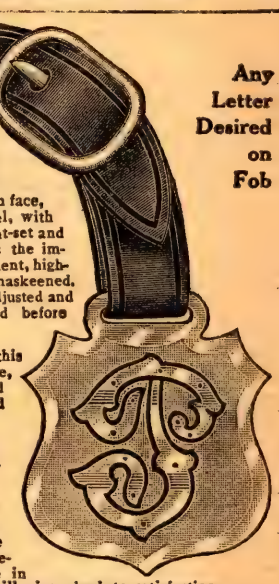


Do You Want

this fine guaranteed watch? It is open face, 16 size, nickel-plated, thin model, with patented stem-wind and pendant-set and heavy bevel glass crystal; is the improved straight line escapement, highly polished, handsomely damaskeened. Every part is accurately adjusted and the watch closely timed before leaving the factory.

GUARANTEE—If this watch, without misuse, should fail to keep good time it will be repaired free of charge.

Any Letter Desired on Fob



This Watch and Fob

is in every respect of the highest quality, equally desirable for a boy or man, an excellent timekeeper, small in size and attractive in appearance. This is a recognized standard timekeeper the world over and will give absolute satisfaction.

How To Get It I want you to sell for me six beautifully colored Pictures to your friends. It will take only a few minutes of your time, as my offer is so liberal everybody will want them. After you have tried it you will become enthusiastic and will want to earn some of the other fine Rewards I am giving away. SEND NO MONEY. Just write me a postal saying you want to earn the Watch and Fob, and I will send you the six Pictures by return mail and trust you until you sell them. Then send me the money collected and I will send you this fine watch and fob as a reward for your trouble and a complete list of other valuable articles of merchandise that may be earned in the same way. Send me a postal today. Address THE WATCH MAN, 1450 Marquette Bldg., Chicago, Ill.

VIOLIN FREE



Beautiful Violin, good size. Full sweet tone, richly polished wood. Finger board and tail piece ebony finished. Fully fitted with three gut strings, and one silver string. Also fine bow of white horse hair and complete SELF INSTRUCTION BOOK. Write for 24 pieces of Art Jewelry to sell at 10c each. When sold return our $2.40 and we send this fine Violin and outfit. EAGLE WATCH CO., Dept. 366, East Boston, Mass.

BEDWETTING

Inability to hold urine during the night or day, in old or young, is not a habit but a dangerous disease. Our HARMLESS Pastilles are guaranteed to cure it.

O. H. ROWAN DRUG CO., Dept 10 London, Ont., Canada. A 25c. Pkge. FREE.

REQUEST ADVERTISERS WANT TO *Know in what Paper their Advertisement was seen. Therefore We Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers.* **READERS.**

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 4c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Agents Wanted

AGENTS—Handy Hame Fastener. Every horse owner buys at sight. 200 per cent. profit. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

ARE YOU a person of ordinary intelligence? Then earn from $2.50 to $3.50 per day on rural routes with our proposition. Four samples via mail for 10 cts. postage J. J. Houghton Co., Minneapolis, Minn.

AT ONCE—Card distributors in each locality; no canvassing; steady work and good pay. Address Manager, 219 E. Maryland St., Indianapolis, Ind.

LADY AGENTS—No-Drip Tea and Coffee Strainer. Sells at sight. Big profit. Sample by mail postpaid 15cts. Grant Hardware Co., Warsaw, Illinois.

PERMANENT—profitable employment for salesmen and farmers, handling consignments of Seeds, Feed, Silos and specialties. Lake Erie Seed Co., Lackawanna, N. Y.

Books

SWEDENBORG'S "Heaven and Hell," 405 pages, postpaid Fifteen Cents. Stamps taken. Pastor Landenberger, Windsor Place, St. Louis, Mo.

Correspondence Schools

DON'T PAY $20 to $30 for Real Estate, Insurance and Brokerage Course. I sell one for $2.50, same as sold by certain company at $20 or money back. D. W. Edmonds, Youngstown, Ohio.

Farm Lands For Sale

FARMS IN "EAST TEXAS"—Where the seasons are right—bountiful rains, running branches, raise everything. Prices $5.00 to $35.00 per acre. Carney & Allday, Atlanta, Texas.

FOR CHEAP HOMES in a mild climate, among sociable white people, write Chaney & Doss, Beebe, Ark.

FOR SALE—Southeast Mo. Mississippi Co., rich re-claimed, drained lands will produce fine wheat, corn, alfalfa, red clover, timothy, stock or field peas, all kinds of vegetables, fruit, a good stock country; water 20 to 25 feet deep. When looking for a location why not investigate our lands? Located just south of Illinois; mild winters and good healthful climate. For particulars and prices write for descriptive folder; it is yours for asking; we can please you. Address M. W. Mayes, Charleston, Mo.

MICHIGAN FARMS, all descriptions; postal brings catalog. Isaac Kouw & Co., Holland, Mich.

MILLION ACRES Texas School Land for sale by the State; $1.50 to $5.00 per acre; only one-fortieth cash, 40 years on balance; three per cent. interest; good agricultural land; some don't require residence; send 50 cents for 1910 Book of Instructions, New State Law and description of lands. J. J. Snyder, School Land Locator, 536 Congress Ave., Austin, Tex. Reference, Austin Nat. Bank.

WHY BE A SLAVE—Buy a farm in southern Illinois. Improved lands $50 to $75 per acre, any size farm. Easy terms. An acre of cucumbers, melons, all kinds of berries and potatoes will earn $200 to $500 net. Corn, oats, wheat and all kinds of vegetables easily grown. For particulars, write SOUTHERN ILLINOIS REALTY Co., Dongola, Ill.

VANCOUVER ISLAND OFFERS SUNshiny, mild climate; good profits for young men with small capital in business, professions, fruitgrowing, poultry, farming, manufacturing, lands, timber, mining, railroads, navigation, fisheries, new towns, for authentic information, free booklets, write Vancouver Island Development League, room A 66, Law Chambers bldg., Victoria, B. C.

Farms Wanted

WANTED—Farms and businesses. Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, Minneapolis, Minn.

Fencing and Posts

FENCE POSTS—made to last a lifetime; any kind of wood; cost little; circulars free. John Gustin, Beaverton, Ore.

UP-TO-DATE MOVABLE FENCE PANEL—You make it at home out of old material. Storm proof. Set a rod a minute. Mad River Fence Co., West Liberty, Ohio.

Ferrets

5,000 FERRETS for sale. Write for price list. It's free. Safe arrival guaranteed. De Kleine Bros., Jamestown, Mich., Box 80.

For Sale—Potatoes

POTATOES—All who want choice Western Michigan potatoes at equitable prices write to Chas. A. Emmerson, Business Manager, The Growers and Shippers Ass'n., Lock Box 215, Traverse City, Mich.

For Sale—Tobacco

30,000 POUNDS leaf tobacco for sale. Send stamps for sample to Anton Wavrin, R. R. 5, Box 34, Franklin, Ky.

Investments

MR. FARMER would you make an investment of $100 or more in an absolutely safe industry backed by the best business men, one that will pay you 100 per cent. or better, for life? Write for particulars. Wilson Land & Investment Co., Indianapolis, Ind.

Machinery

OUR GASOLINE ENGINES save you money in both cost and running expenses. Engine Factory, Marcellus, Mich.

Patent Attorneys

ADVICE and book relative to patents sent on request. Beeler & Robb, Patent Lawyers, 60-62 McGill Bldg., Washington, D. C.

PATENTS—Books free. Rates reasonable. Highest references. Best services. I procure patents that protect. Watson E. Coleman, Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

FOY'S BIG BOOK—Money in poultry and squabs. Tells how to start in small and grow big. Describes largest pure-bred Poultry Farm in the world and gives a great mass of useful information about poultry. Lowest prices on fowls, eggs, incubators and brooders. Mailed for 4c. F. Foy, Box 45, Des Moines, Iowa.

30 VARIETIES: Geese, Ducks, Chickens. Catalogue free. Minkel & Co., Mapleton, Minn.

TURKEYS, Narragansett, Bourbon Red, White Holland, Mammoth Bronze. Write S. Durigg & Son, Armstrong Mills, O.

WRITE SWONGER—for prices on Duroc hogs, Scotch Collie dogs, White P. Rocks, Buff Leghorn chicks. Z. E. Swonger, De Graff, Ohio, No. 1, Box K.

Printing

PRINTED ENVELOPES for ten minutes work. Write Emil Anderson, Kewanee, Ill.

Produce Commission Merchants

TAKE NOTICE—Poultry, eggs, apples, potatoes, sold car lots or less. T. J. Hoover, 344 N. Water St., Philadelphia, Pa. Write for prices. Established 1875.

Raw Furs Wanted

WRITE for prices to C. L. Kenny, Enon Valley, Pa., buyer and exporter of Raw Furs. Honest assortment; highest prices; prompt returns.

Situation Wanted

EXPERIENCED, honest, sober and industrious farm hand wants position anywhere to take charge and act as foreman in general farming. C. B. Woodlin, Dias Creek, N. J.

Thoroughbred Stock

HAYNES BROS., of Haynes, New Mexico, have Navajo Ponies and Blankets. Will consider trade for registered Percheron mares and yearling or two year old stallion. Also two shorthorn cows and yearling bull.

Miscellaneous

HOW to find the Bee Tree. Good sport. Good money, 25c. E. H. Kent, Bristol, N. Y.

I BUY and sell moving picture machines. Write Fred L. Smith, Amsterdam, N. Y.

THE FIELD

Up-to-Date Farming will publish short letters from members and subscribers relating to matters of general interest. They may be reports of meetings held or to be held; companies formed to build warehouses or elevators for storage of crops; views on any current topic, etc.

MR. McDOWELL WAS ONE OF THEM.

Our readers no doubt remember an article in November 15 issue of Up-to-Date Farming on the progress the world has made by the abandonment of what now seem foolish things, and the acceptance in their stead of better things as human wisdom advanced. In the article we referred to the early days of travel across the Plains, and what a great business had disappeared before the mad rush of the locomotive.

Mr. C. L. McDowell, of Kiel, Oklahoma, now 81 years old, was one of the old time travelers on the Plains, and writes us as follows:

Your article in regard to travel on the Plains, in a recent issue of *Up-to-Date*, struck me very forcibly. I crossed the Plains in 1850, and was four months on the road with an ox team. I crossed back in 1854 on horseback. Crossed again in 1856, as Boss of a train or caravan for Mapes and Russell, from Leavenworth, Kansas, to Salt Lake City.

In 1850 I crossed the Missouri river at Council Bluffs. There was not a foot of land in cultivation, nor a house built, until we reached Salt Lake City, nor was a white man living from Salt Lake City to California when I came back in 1854. We found no settlement until we got within two miles of the Missouri river. Going out was a horrible trip, both on account of Indians and starvation. We had several battles with the Indians coming back.

C. L. McDowell.

FEW UNDERSTAND THE PLAN

Comparatively few farmers understand the Equity plan of marketing crops, or, if they do, they use it to their own profit and not for the nation wide good. The Farmers' Society of Equity is known of all through this section and our farmers are holding their potatoes for 50 cents a bushel. Very few potatoes have been sold at the low prices, but they are stored in the town or held at home. No cars were shipped from here this fall and only one boat was loaded, whereas in former years every grower dumped them as fast as he could haul them off, for any price that was offered. At Central Lake the price was down to 18 cents a bushel.—James Howey, East Jordan, Mich.

VICE PRESIDENT'S LOCAL TO ENTERTAIN

Everybody seems to be holding potatoes here for the F. S. E. price—50 cents. My local will keep things lively this winter and now is making arrangements to have a Dutch supper on the 15th inst. We expect to feed over 150 people on that night. A nominal charge of 15 cents a plate will be made. Accept my congratulations for the excellent showing our paper—*Up-to-Date Farming*—is making since I see it has passed the 100,000 mark in circulation. I feel, like thousands of others, that your fight is my fight.—Walter E. Grellick, V. P. F. S. E. and State Pres. Michigan State Union, Traverse City, Mich.

THE F. S. OF E. NOT A STOCK-JOBBING INSTITUTION

I saw an article in a paper recently commending a farmers' society that sought to establish capital stock exchanges, warehouses, etc., to make money and declare dividends. I believe I understand The Farmers' Society of Equity plan, and that it does not recommend side lines of business such as those, but rather that it advocates warehouses and elevators for storage and to provide facilities in shipping, but never as money-making enterprises outside of the money we make when we sell our crops at profitable prices. Somebody said that the government statistics showed that three-fifths of the wealth the farmers produce is taken away from them. If this is correct, or as far as it is correct, I believe that the F. S. E. is organizing to protect farmers and guarantee to them the full result of their labors up to a point when farming will be as profitable business for money invested and effort put forth as any on earth. The F. S. E. organization is to clothe us with the power to set an equitable price on our products and get it as it is our divine right to do.—R. Sherod, a National Director of the F. S. E., Keosauqua, Ia.

OBEY THE SCRIPTURES.

In your issue of November 1st, is an editorial, "To Fail or Not to Fail." The point was, why is production not increased, when the whole trend of agricultural education is in that direction.

I regret that the American people to a very large extent ignore the good old advice. Let them turn to the Book of Books and read Lev. 26, ch., "The Lord said unto his people, ye shall keep my Sabbath and reverence my sanctuary and keep my commandments. Then I will give you rain in due season and the land shall yield its increase and the trees of the field shall yield their fruit." Also, we are told in scriptures: "Neither is he that planteth anything neither he that watereth but God that giveth the increase." Also, "trust in the Lord and do good; so shalt thou dwell in the land and verily thou shall be fed." And; "He that walketh righteously and speaketh uprightly, bread shall be given him, his waters shall be sure." Many people now break the Sabbath, break the commandments, ignore the sanctuary and do all manners of evil and then grumble and wonder why they get poor crops.—James Ross, Park River, N. D.

F. S. E. ALL RIGHT.

As my subscription has expired I send my renewal. Send me a blank and I will try to make up a club. I want you to send a sample copy and a blank to an old Equity man, Mr. _____, who also wants to get up a club for *Up-to-Date Farming*. He has tried the Farmers' Union and reports it no good, but the F. S. E. all right. He upholds the Equity plan of pooling and holding for our price, but is opposed to all kinds of schemes to run elevators, mills, cotton gins, etc. He says truly, "the farmers have enough to do to raise food and clothing for the world and sell them at profitable prices."—C. L. McDowell, Kill, Okla.

THE SPIRIT PREVAILS.

Nearly three years ago when F. G. Nelson called a farmer's meeting to order in this town, I was one of the first to join the Equity movement. I took a live interest in its progress until this same Nelson, Pauley and others made me feel indignant the way they libeled the founder of so beneficial a society, and betrayed the members I have not supported those people since and I will not. I think there was money behind the rebellion and I told them so in the first meeting here after the 1907 convention. I then told them I would not support their society nor read their paper, which was no more than a fungus growth. Several staid in the society, but said they would later join the Farmers' Society of Equity with Mr. Everitt to lead it. The president of our local has always been true and is now only waiting for the F. S. E. to start here. Our Equity meetings have been few but the spirit of Equity and profitable prices pervades everywhere. We believe that the Equity teachings are responsible for the better prices of wheat and all grain.—Mrs. Katherine C. Neilson, Mayville, N. D.

(There never will be a better time to reorganize your local union than the present.—Ed.)

RESULT OF EDUCATION.

I distributed many circulars this fall in our potato campaign, and I note by the Chicago Packer that in the part of Michigan where those circulars were sent, the farmers are holding their potatoes for 50 cents a bushel. This goes to show what can be accomplished through voluntary, individual action. But time will show such farmers that it *is necessary* to have an organization. Of course, many of these people were not solicited to join the F. S. E. or they would have done so, and I believe they will co-operate with the growers of potatoes in this and other states so we may have a fixed price and get it for the first bushel and all. I am secretary of our "Growers and Shippers Association," and in a short time will make our organization solid up here. We are receiving such great benefits that every farmer, whether a member of our society or not, shouts its praise. And I tell all of them that we never would have had these benefits except for the teachings of Mr. J. A. Everitt, of Indianapolis, Ind. To this every one says, "Amen." Mr. Everitt, your teachings have benefitted every farmer in Michigan and more of them are conceding it every day. I am positive, from what I hear, that we shall see the farmers of Michigan solidly organized. And what can be done in Michigan, can be done in every state in our Union. When I look back a few years when we dumped our crops at prices made by the speculators, I now wonder why we were such fools. Then when I consider how the change was brought about and how we were lifted out of that old rut—when I search the cause—I can find none other than the sound doctrines taught by *Up-to-Date Farming*.

Enclosed find draft for $1.20 for 6 sets of X-mas cards and as many yearly subscriptions to UP-TO-DATE FARMING. We are all going to give our papers to our country relations and thus benefit 12 families. We are all amateur gardeners and find many valuable hints in your magazine.

Yours truly,
GRACE A. UEGLEY, Canton, Ill.

Dear Editor:

I do not write this letter to get a prize, but to let you know how I value your paper. I have read it ever since it was first published and think it has helped me a great deal. It would be hard to say just how much benefit I have gotten from this paper. I think, Mr. Everitt, that when you undertook to organize the farmers, you undertook the most difficult thing that any man could undertake. I hope you will make a success.

I am yours truly,
ANDREW KNUDSEN, Fruitland, Cal.

Mrs. Cora B. Miller Gives a Fortune

She Will Spend $50,000 In Giving Medical Treatment Absolutely Free to Suffering Women

Will Be Sent Free to Every Woman Who is Ailing

A Million Women Bless Her Name

Grateful Letters From All Over the World Tell of Wonderful Cures With Mrs. Miller's Mild Home Treatment

Over a million women have already accepted Mrs. Miller's generous offer to give free to every sufferer a regular treatment of her mild home remedy. From every civilized country come thousands upon thousands of kind, grateful letters from ladies whose hearts overflow with gratitude because this pleasant vegetable remedy has restored them to old-time health and strength.



Mrs. Francis M. Harris of Dover, La., writes: "I feel like a new woman and can do my work without having that old, tired feeling. I am happy to know that I am well again."

"It has relieved me of my constant suffering and I have not words to express my gladness. It was surely a Godsend to me, and I thank Him that there is such a wonderful medicine on earth for suffering women."—Mrs. Carrie Bailey, Pickneyville, Ala.

Mrs. Miller's remedy is the surest in the world. She asks no one to take her word, but only wants to prove it to any sufferer. Mail the coupon if you are a sufferer from any female complaint to Mrs. Cora B. Miller, Kokomo, Ind. Prove for yourself at Mrs. Miller's expense that this marvelous remedy shuold cure you. Do not delay; send the coupon now.

There is Some One Near You Cured By Mrs. Miller

There is hardly a country, city, town or village in which there does not reside some grateful lady who has been relieved after years of suffering and permanently cured by Mrs. Miller's mild home treatment, even after doctors and physicians failed. No matter where you live, she can refer you to ladies in your own locality who can and will tell any sufferer that this marvelous remedy really cures women.

Only bear this in mind. Her offer will not last long, for thousands and thousands of women who are suffering will take advantage of this generous means of getting cured. So if you are ailing, do not suffer another day, but send the free coupon to Mrs. Miller without another day's delay.

Send No Money. Just Your Name and Address, If You Are a Sufferer From Any Woman's Disease or Piles

In the past few years Mrs. Miller has given $125,000.00 in sending medicine to afflicted women.

Several years ago Mrs. Miller learned of a mild and simple preparation that cured herself and several friends of female weakness and piles. She was besieged by so many women needing treatment that she decided to furnish it to those who might call for it. She started with only a few dollars capital, and the remedy, possessing true and wonderful merit, producing cures when doctors and other remedies failed, the demand grew so rapidly she was several times compelled to seek larger quarters. She now occupies one of the city's largest office buildings, which she owns, and almost one hundred lady clerks and stenographers are required to assist in this great business.

Some time ago it was announced that she would give to women who suffered from female diseases another $10,000.00 worth of her medicine. She has fulfilled this promise, but as she is still receiving requests from thousands of women from all parts of the world, who have not yet used her remedy, she has decided to give away $50,000.00 more to those who are suffering and unable to find relief.

Mrs. Miller's wonderful remedy is especially prepared for the speedy and permanent cure of Leucorrhea or whitish discharges, ulceration, displacements or falling of the womb, profuse, scanty or painful periods, uterine or ovarian tumers or growths; also pains in the head, back and bowels, bearing down feelings, nervousness, creeping feeling up the spine, melancholy, desire to cry, hot flashes, weariness and piles from any cause or no matter of how long standing.

Every woman sufferer, unable to find relief, who will write Mrs. Miller now, without delay, will receive by mail free of charge, a 50-cent box of her simple home remedy, also her book with explanatory illustrations showing why women suffer and how they can easily cure themselves at home without the aid of a physician.

All that is necessary is to cut out the coupon at the bottom of this page, fill in your name and address and send it to Mrs. Miller, Kokomo, Ind. The medicine and book will be sent to you at once. Send now before the $50,000.00 worth is all gone.



Mrs. Miller's Home. From Here She Directs the Distribution of Her Medicine to Those Who Suffer

How to Cure Any Case of Piles

I want to tell you flatly and plainly that any woman, or man either, for that matter, who suffers from any form of piles, may place their faith absolutely in my treatment. They won't be disappointed. It's intended for piles as well as the diseases peculiar to women. It heals diseased membrane surfaces, no matter where located, and I verily believe that this remedy has cured more bad cases of piles of all kinds than all the so-called "pile cures" and doctors in the country. A cure with my remedy is speedy. It's safe and it's lasting. The intense torture, the burning, smarting and itching stop at once and you feel better right from the start. Send for my free treatment at once and see for yourself.

Why Men Desert Their Wives

Eighty Per Cent of the Wife Desertions and Divorce Due to Female Weakness

I should have taken better care of myself. I suppose. I was sick and suffering. No one but a woman can ever know how I suffered. I was irritable. I couldn't be to my husband the wife that I ought to have been. He, being a man, couldn't understand. We drifted apart. He sought his pleasures elsewhere. Finally there was nothing but the divorce court that could settle our differences.

That's the sad story that eight out of every ten women who have passed through the ordeal of the divorce court, as well as the countless thousands of deserted wives who are not divorced, know deep down in her heart was the real cause of her trouble.

A sick wife, a neglected home, and the publicity and disgrace of the court room to end it all. There wouldn't be half as much talk of the divorce evil in the world if only every wife and mother would realize her duty to preserve her health and strength.

No woman has the right to expect her husband to devote his leisure hours to his home and her when she is leading a dragged-out, hopeless, down-in-the-mouth existence that would discourage the greatest optimist on earth.

Mrs. Cora B. Miller's marvelous home remedy has done more to prevent divorce than all the messages to congress and conventions in the world. The woman who is bright and cheerful and well has a home that reflects her own good feeling and discontent finds no place therein.

Mrs. Miller's aid and advice is as free to you as God's sunshine or the air you breathe. She wants to prove to you her common-sense home treatment will cure you just as surely as it cured her years ago in her humble cottage.

If you are a sufferer from any female trouble, no matter what it is, send the coupon below to Mrs. Cora B. Miller at once.

PUT YOUR FAITH IN MRS MILLER

My word that my home treatment should unfailingly relieve you of female diseases or piles doesn't necessarily mean anything. But when my word and medicine is backed up by over a million ladies, that's evidence you cannot doubt. There is hardly a county or small village in the land that does not number some poor sufferer cured. I didn't force them to use my medicine. They took it of their own free will and it cured them. You can put your faith in that sort of a remedy every time. Just cut out the coupon, send it today and prove what this marvelous treatment will do for you.

This Noted Divine Says:

"I am personally acquainted with Mrs. Cora B. Miller. I most cheerfully and voluntarily testify that myself and family have been greatly benefited by the use of Mrs. Miller's home remedies and heartily recommnd them to the general public."—Rev. P. G. Roscamp, D. D., Presbyterian Minister.

Do not delay. Send the coupon today.

Free Treatment Coupon

This Coupon is good for a full sized regular 50-cent package of Mrs. Miller's Mild Home Treatment. Just fill in your name and address on dotted lines below and mail at once to Mrs. Cora B. Miller, 7570 Miller Bldg. Kokomo, Ind., and you will receive the remedy in plain package at once.

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Not One Man in 1,000 Knows These Things About Horses

We make it our business to get hold of all information which will be of use to farmers and horsemen.

Just as it is the business of a newspaper to search the whole world for news.

We have just published a sensational book of secrets about horses.

Many of them never before made public. Most of them known by not more than one man in a thousand.

These secrets were gathered from all over the country.

They came from hundreds of different men. Some from professional horse-traders and dealers. Some from the victims of trickery. Some from men who raise and breed horses. Some from horse-breakers and trainers.

It cost us $1000.00 to get all these secrets, and to put them into a book.

$1,000 Book of Horse Secrets Given With Farm Journal

We have heard of horse owners paying $10 for a single one of the secrets you'll find in our book. But our book—containing scores of secrets—is free.

The book is a splendid example of the kind of practical, valuable information we print right along in *Farm Journal*—America's great farm paper.

We want you to have the book as a sample of the helpful facts you'll find every month in our paper.

So to you who don't take *Farm Journal*, we'll give the book free, to get you started as a reader.

Beware the Tricks of Traders

Our book exposes the secrets of tricky horse traders and dealers—how they frequently fool the best judges of horse flesh in the country.

—How "heavey" and wind-broken horses are "doctored."

—How a sweeney is often concealed. Lameness, spavins, side-bones, etc., often hidden.

—How old and sluggish animals are "doped." Made to appear active and spry.

—How the teeth of an old horse are "bishoped," so they show no signs of age.

Such are a few of the frauds our new book lays bare.

After you read this book, you have only yourself to blame if you get the worst of a trade or purchase.

A Searchlight on Swindles

A grade stallion, bought in the open market for $320, was unloaded on a company of farmers for $2,800!

Our book of "Horse Secrets" exposes this clever scheme. Also other swindles you should be on your guard against.

How to Cure a Balker

There are certain very valuable secrets in breaking and training.

They soon make a mean or spoiled horse gentle and obedient—so a woman can drive him.

When you know these methods, as explained in "Horse Secrets," you can often double the honest worth of a horse.

Take a balky horse. He's almost worthless for work—and the vice hurts his sale fully half.

Horse Secrets gives several simple ways for permanently curing this habit.

Horse Gains 5½ lbs. a Day

Due to a special method of feeding, one horse gained 550 lbs. in 100 days.

In certain large establishments, draft horses are regularly fattened for market by this method. And such gains are by no means uncommon.

Think what you'd save in feed if you knew how to fatten horses in that quick way. Our book explains the whole system.

We have given brief mention to just a few of the practical pointers you'll get from our book.

It'll pay you in dollars and cents to know for yourself every secret our book unfolds.

By Dr. A. S. Alexander

This new book is by Dr. A. S. Alexander—well-known as America's greatest authority on horses. His experience among horses covers 25 years.

Dr. Alexander is Professor of Veterinary Science, in charge of the Department of Horse Breeding, College of Agriculture, University of Wisconsin.

How to Get the Book

We want to make you a friend of *Farm Journal*. Want you to read our paper.

To get you started, we are willing to give you much more than we ask you to pay for.

For we know, after you read *Farm Journal* awhile, you'll want to take it the rest of your life.

So to get you to subscribe now, we make this special offer:

For only $1, we'll send you *Farm Journal* every month for 5 years, (regular rate), and include Horse Secrets free.

The Help We Give Farmers, Costs Us $100,000 a Year

We make it our business, through the pages of *Farm Journal*, to help the farmers of this country make more money.

If anyone, anywhere, finds a new way to save money on the farm, or make more, it's our business to find out how he does it. And to tell other farmers about it.

It costs us $100,000 a year to secure this knowledge for our 600,000 subscribers and set it before them.

Every month, you'll find in *Farm Journal* useful information you can turn into money.

No man on the farm can afford to miss a single issue of *Farm Journal*.

Neither can gardeners, poultrymen, suburbanites or small-town dwellers.

Over 600,000 now take *Farm Journal*. The paper so many people like will surely please you.

Before You Forget

Make it a point right now to send us the coupon below—you'll be glad a good many times if you do.

—Glad every month, for the next five years, when each month's *Farm Journal* comes. And mighty glad when you get the book of valuable Horse Secrets.

If we hear from you within 10 days, we will include—also free—a splendid Almanac for 1910, "Poor Richard Revived."

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Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA JANUARY 15, 1910 | Number 2

GAMBLING AND FUTURE PRICES



President Taft has lately gone on record against board of trade and exchange gambling in the future prices of farm products. He calls it gambling in the nation's food and clothing, and has expressed himself in favor of prohibitive legislation. It is to be hoped that congress will promptly respond and enact a law that will put an end to such fraudulent, pretended deals. The practice is worse than what the President calls it. It is gambling upon the necessities of every consumer and the toil of every farmer—upon every drop of sweat the farmer sheds—one side profiting by his misfortunes and disappointments, and the other by his successes; the two together making his business the most uncertain of vocations, and his income

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J. A. Everitt, Editor Up-to-Date Farming, Indianapolis, Ind.

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UP-TO-DATE FARMING

Representing the Organized or Co-operating Farmers of America

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The Tobacco Growers Problems

A Lesson For All American Farmers

THE plan of controlled marketing to secure profitable prices has been successful with growers of tobacco. The figures that prove this are as plain as are those of any problem solved on a black board in school, and they cannot be erased.

But unfortunately the complete Equity System as this paper has always taught and which the original Equity Society undertook to establish has not been strictly adhered to in the tobacco growing districts. As a consequence, with success came jealousy, envy, factional strife and law suits. These, too often are an accompanyment of success, especially successes made by farmers in the control of their own business, and too nearly justify the sneer of our opponents that farmers will not stick together.

We emphatically declare that we regard the troubles of the tobacco growers as entirely unnecessary, if not inexcusable. They are the result of wrong principles being injected into the movement and if persisted in will eventually result in failure and farmers' fondest hope of industrial freedom will be blasted.

To make a clear staement of the situation and then recommend a remedy for existing evils, we will go back six or seven years to begin. Then growers never heard of any remedy for the lack of money on the farms but to produce more crops. The growers of tobacco (and the same may be said of producers of other crops) firmly believed that if they did not get enough money from the sale of their crops at the low prices prevailing, they must grow more. That policy was continued until there was a great surplus of tobacco, variously estimated at from one to five years supply ahead and possessed by the handlers and manufacturers.

Then the American Society of Equity came and taught the new doctrine that farmers prosperity depended not so much on large crops as on profitable prices; that farmers were responsible for the prices they got and that the tobacco trust should not be blamed entirely for the low price of tobacco. We showed them how impossible it was for buyers to continue to pay profitable prices when there was unrestrained production and the surplus was growing larger year by year; that for any company to always pay profitable prices under such conditions would put them in bankruptcy; that the only way crops were regulated before 1903 was by the weather, **or when prices went so low that many growers were forced out of the business.**

That teaching was sound then, it is sound now and always will be. But the Equity teaching and system comprised more yet. It said farmers had no fight against any person, or corporation or class of people; that it was not the purpose to organize to fight anything but to put farmers in a position to attend to **their own business** of growing crops and selling them at profitable prices. We always sought to establish friendships between farmers and the people who bought their crops. This paper has never sought to arouse animosity between farmers and the handlers and consumers of their crops, but always to establish the most friendly relations. From the beginning of the original society we tried to show the powerful position farmers would be in if they did only the simple things we recommended, viz; agree on a price for each crop, refuse to sell for less but supply the demand at such price as long as the supply lasted.

In 1907 the society had about 25,000 members in Kentucky alone and all of them received UP-TO-DATE FARMING and all, we believe, understood the true equity plan and that it was as much a duty to **give** equity in dealings as to demand it; that every farmer could be made to see that it was to his great advantage to come into the organization and that he should be appealed to from the standpoint of self-interest; that moral suasion was to be the most powerful weapon and those who were too stubborn to be influenced should be allowed to remain out of the society and they would be so few that they could not prevent definite results being secured.

But the bare idea of controlled marketing to secure profitable prices spread much faster and farther than the true education and correct form of organization. Farmers were allowed to pledge and pool their crops, who had never taken the first lesson in the Equity System. And worse yet, leaders were selected without any regard to their fitness to uphold the Equity principles and without even a vague idea of the plan by which the objects of the society were to be accomplished.

Thus while there were about 25,000 members in Kentucky in 1907 there have been and probably are now 150,000 to 200,000 farmers who pledge their crops to be sold co-operatively. In this vast multitude of farmers many different opinions are held and there has not recently been an attempt made to harmonize them all to the essential idea and the correct methods embodied in the Equity System. Also the same may be said of most of the officers of the various organizations as they exist today.

Is it any wonder that troubles arose? There must be a plan. It must be practical. It must be understood by all the officers and members. The Equity plan is right. It was successful before scheming people destroyed harmony in the society. If doubt, discord and discontent is ever to be removed and equity prevail again this plan must be understood, and made the law to guide marketing, as unchangeable as the famous laws of the Medes and Persians.

The right plan, understood by every member and officer, is the key to farmers' successful co-operation in marketing their crops.

Victory came, but with it came strife and contention, selfish, ambitious men with ill considered ideas diverted the farmers from the true plan and system. Harmony was destroyed. Factions organized and warred against each other and all of them made the great mistake of antagonizing the buyers. Also, instead of the farmers being appealed to from the point of their best interests they were appealed to on the side of their passions and prejudices. Instead of teaching growers that they had no fight against anybody, but that they would be invincible, if organized, and in possession of their crops, they were appealed to to fight the buyers and that they could not win except by fighting.

Instead of moral suasion being the most powerful weapon to force farmers to join the society threats and even violence were resorted to. We do not say that such things were ordered, or even sanctioned by the organizations but they were the natural outgrowth of the tactics employed by the organizations and of the inflamatory speeches the people listened to.

Some of the results have been: The arbitrary, antagonistic and combative attitude of the farmers leaders toward the buyers has caused them to seek new producing territory. There will be tens of thousands of acres put in tobacco this year in Indiana, Ohio, Illinois, Missouri and other states where it was not produced before. Articles and illustrations are appearing in the Indianapolis papers about the great profits of tobacco in Indiana and large display advertisements offering tobacco land for sale are also in their columns. We don't know, but we assume that the same is being done elsewhere. Predictions are being made that Kentucky will lose its prestige as the largest tobacco producing state. It is a grave question whether there will not soon be another great surplus which would absolutely prevent the growers from controling the situation.

Also several suits have been brought against the societies by buyers for heavy damages alleged to have been sustained because of not being able to get tobacco when wanted and because of excessive prices charged.

Also some poolers of the 1906 and 1907 crops brought a suit for a receiver against the Burley Tobacco Society which was decided in favor of the plaintiffs but later the decision was reversed by a higher court.

But more serious than all of these is the fact that the government has decided to proceed against the Burley Tobacco Society under the Sherman anti-trust law on the charge that it is a corporation in restraint of trade. This was disclosed in a dispatch from Cincinnati, O., where it is said the suit will be brought. The dispatch says:

> The defendants will be the officers and directors of the Burley Tobacco Company and the chairmen and officers of the boards of control in the various counties. * * * The government will seek to enjoin the persons named from interfering in any way with the growing, marketing and sale of the crops of tobacco on the ground that the Burley Tobacco Company is engaged in a conspiracy in restraint of trade. * * * In the bill of complaint it will be made plain that the government is not proceeding against the farmers and tobacco growers, but against the speculators and that the purpose of the injunction is really to benefit the farmers and tobacco growers, who are now completely under the thumb of the company. The statement is made that the original purpose of the Burley Tobacco Company was to counteract the American Tobacco Co., which is the trust. The Burley society, the attorneys for the government say, as soon as it monopolized the tobacco crop, became in effect the most powerful ally of the trust. The result, according to the government attorneys, was that the trust has been able to buy a large percentage of the monopoly tobacco and the independent buyers were able to buy only such as the trust did not desire and that too, at prices agreed upon by the trust and the Burley Tobacco Company.

All of the above, if the government charges are true, are directly the opposite of Equity and contrary to the teachings of this paper and the original American Society of Equity.

Is it any wonder that the farmers in Kentucky and all over the tobacco growing belt are dissatisfied with the present conditions and are calling as before for the true teachings and the simple and practical plan? The plan by which they know the price they would receive, that is inexpensive, that the chance for graft is eliminated, that the buyers and the department of justice of the government will approve of and all co-operate to establish.

The government is careful, so says the bill, to make it "plain that it is not proceeding against the farmers and tobacco growers." * * * "and that the purpose of the suit is really to benefit the farmers."

As the American Society of Equity was originally organized and as its principles and plan are represented today by the **FARMERS SOCIETY OF EQUITY** it never did and never can restrain trade on any crop, at any time, or in any place. On the contrary, as we have repeatedly shown in this paper and it has been repeatedly demonstrated in practice, **it is the greatest promoter of trade.**

To illustrate: Under the old system of marketing crops, often times the prices were too low which resulted in a shorter acreage being planted. Therefore, the low price, or the system that was responsible for it, restrained planting and restrained production. With less produced, marketing was restrained, there was less to handle, less to transport and less to consume. Thus trade and commerce were restrained all along the line. In the Equity system, fair prices are secured which encourages a full planting, and secures a normal yield. With the prices made by the farmers and the supply in their hands, buyers would buy all they wanted because they would know prices would not be lower or higher, and they would know that their competitors could not buy the same grade at a lower price. Under such conditions trade could not be restrained but the maximum trade and consumption would result.

It is not the doctrine of controlled marketing to secure profitable prices that the government is attacking; nor the right of farmers to organize to market their crops co-operatively, but "speculation" as the complaint says and a condition, if the government is right, that has made the farmers unsuspecting parties to a conspiracy the very opposite of Equity, which farmers so dearly love.

A crisis exists. Every interested person is asking, how will it be met? True, the government suit against the Burley society may fail. If it does the fact will still remain that the business of marketing the tobacco crop is not done on a basis that guarantees the greatest benefits to all the people; that appeals to all the farmers to affiliate with the organization or that augurs for the permanency of the society. In such an emergency as this we express our sincere regrets that the original principles of the society were not upheld and its plan adhered to.

Our sympathies go out to the growers, who will suffer the most, because they will be taxed for the expense of the litigations, their co-operation will be weakened, temporarily at least and one of the effects, whatever the final result, will be to weaken the faith of farmers everywhere in the final triumph of farmers' organization.

But we would do less than our plain duty if we would not embrace this opportunity to again commend to tobacco growers in particular and all farmers in general the simple and effective organization, and plan of the **FARMERS SOCIETY OF EQUITY.** We would not have one of the present district organizations disband, but we urge farmers to organize in local unions and then all districts federate as a department of this society. Thus federated, as they were originally the program will be to meet in Annual National

Continued on Page 5.)

Where The Money is And How it is Controlled

THE prosperity of the people depends more upon the money of the country than upon any other one thing; it would not be very far wrong to say than all other things combined. The soil produces in vain if there is no money to pay for the surplus products. The factories run at a loss and must stop if there is no one with money to buy the output. So must the mines, the mills, and everything else. All productive industries depend upon a demand for what is produced, and the demand is of no benefit unless it has money to pay for what it requires.

One of the most important things, therefore, that the people, and especially the farmers, whose time is employed on the farms away from the business centers, is how much money there is, where it is, and how it is controlled. Strange it is though, that the general press seems to think this is information farmers do not need to know.

Early in December last, the national monetary commission made a report of facts in this line they had been collecting since the previous April. The commission found that there were then in the country 6,893 national banks, 11,319 state banks, 1,703 mutual and stock savings banks, 1,497 private banks, and 1,079 loan and trust companies. The total resources of these establishments was reported as aggregating the stupendous sum of $21,000,000,000. This does not mean that there is that much money in the country. If it did it would mean that there are more than $260 for every human being of a population of 80,000,000. Nor does it mean that the financial institutions have in their possession all the money, else not a cent's worth of business could be done without an appeal to the banks. The wealth so enumerated consists of vast hoards of the country's money supplemented by other vast hoards of stocks, bonds and securities supposed to represent money.

An analysis of the commission's report shows that the resources and liabilities of these institutions comprise loans of $11,373,000,000; investments in bonds, etc., $4,614,000,000; due from banks, $2,562,000,000; cash on hand, $1,432,000,000; other resources, $1,094,000,000. The capital stock of these institutions aggregates $1,800,000,000; the surplus and profits, $1,835,000,000; due to banks, $2,484,000,000; deposits, individual and government, $14, 16,000,000; other liabilities, $870,000. Observe that these figures are all in billions, and that there are not a billion of seconds in thirty years. There are two items of special significance—the people and the government have deposited in the banks fourteen billion dollars, and the banks have loaned to the people eleven billion dollars. Was it the same money?

Of the deposits, $6,956,000,000 are subject to being checked out at any time, $1,926,000,000 are savings deposits, $1,212,000,000 are time deposits, and $625,000,000 consists of demand certificates. A most interesting feature of the deposits is disclosed in special inquiries covering 18,245 banks. The total deposits in these institutions on or about June 3, amounted to $13,565,000,000, and these deposits were made by twenty-five million depositors, the accounts ranging from $1 upward. Nearly fifteen million depositors had savings or time accounts. This special report shows more than any other where the money of the country is, and who controls it. Thirteen billions of dollars is more than the entire money of the country, or of the world, in fact, and those tremendous figures are reached by the duplication of deposits; but it serves to show that the banking institutions control the country's money, not what belongs to them only, but what belongs to the people as well. Thus controlling the money upon which the business depends, the banks have indisputable control of the business itself. An agreement among them to make no more loans and to collect the loans already made would immediately precipitate a panic, and paralyze every industry in the land. There is no question as to their ability to do that.

It is now proposed by the commission that collected the above information, to establish a central bank to which the other banks would be in a measure subsidiary, or that would itself be able to control the currency by power to be conferred upon it to issue special or emergency currency when business conditions seemed to require it. That would be conferring a power on an institution that no other power except the government itself should possess. Is any one so unsophisticated and so simple as to believe that such a bank would not be controlled by the institutions that already exist? It would not take the control of the money from the banks as they are today; but it would simplify that control by placing it in a single central institution, itself amenable to and controlled by the money power. It would be to give the money power a head to direct affairs in the interest of its various members without the necessity of creating or maintaining harmony or unity of action among themselves. The government would thus concentrate and nationalize their power without the necessity of individual action by the banks themselves.

The people, the farmers particularly, may well watch the development of this Central Bank idea. It is the money power that is demanding it.

Potato Yields and Prices

THE final estimate of the Crop Reporting Board of the Bureau of Statistics of the United States Department of Agriculture, gives the 1909 crop of potatoes at 376,537,000 bushels, and the value per bushel, on December 1st, as 54.9c and the total value $206,545,000.

This is the final estimate and therefore, the figures as far as the Government estimate is concerned, must stand; and be the permanent official figures. The next largest crop ever raised, by the government report, was in 1904, 332,830,000 bushels. The December 1st value was given at 45.3c, and the total value $150,673,000.00. There was only one other year when the yield exceeded 300,000,000 bushels. It was in 1906, 308,038,000 bushels; December 1st value, 51.1c per bushel. Total value $157,547,000.00.

We are surprised at the government figures, as they show that the country has produced 43,707,000 bushels of potatoes more than it ever produced before and nearly 100,000,000 bushels more than the year before. The large yield was because of increased acreage, which was 268,000 acres more than the year before, and a more favorable season.

Comparing the reported yield of this year with last year, in the principal potato growing states, we have the following from government reports:

	1908	1909
Maine	26,100,000 bu.	29,250,000 bu.
New York	34,850,000 bu.	52,500,000 bu.
Michigan	23,400,000 bu.	36,540,000 bu.
Wisconsin	20,160,000 bu.	26,724,000 bu.
Minnesota	11,020,000 bu.	18,400,000 bu.

If we were asked for an opinion about the future price on potatoes, we would be obliged to admit much uncertainty. If the government report is correct, or as nearly correct as the 1908 report was, then we had 97,552,000 bushels more in 1909 than in 1908. Whether these will all be demanded for consumption at increasing prices we will not undertake to guarantee. If the growers were in an organized condition so that it could be determined what proportion of the crop is still in the growers hands, we could better venture an opinion. One thing we are confident of, it is that not as many potatoes are being held by speculators in the cities as formerly, because the receipts have been lighter, while the consumption must be as large, or larger than formerly, because of the moderate price of potatoes and the high prices of most other food products.

It is extremely unfortunate that the growers are not organized now and then it could be determined whether the government estimate is correct; also, then marketing could be done so that if a real surplus exists, it would be evenly apportioned among all of the growers and would not prevent securing profitable price on all that the market consumes. There seems to be a tendency to better prices now and we advise growers against dumping their crops rapidly, as that would be sure to break the market. Gradual marketing is the only plan to follow under prevailing conditions.

The Accumulations of Another Trust

THE United States Steel Corporation is not a pigmy in the financial world, nor is it a dwarf in the family of trusts. According to the Chicago Inter-Ocean it has shown net earnings of $1,020,177,014 in nine years. Out of this vast sum it has paid interest on bonds, $179,545,196; dividends to its stockholders, $328,081,869; to make good depreciation and displacement, $177,714,854; sinking fund, $49,722,155; various other charges, $8,167,939.

In other words, says the Inter-Ocean, debts have been paid and profits divided to the amount of $743,242,013, leaving a net surplus on September 30 of $301,935,000. This once more undoubtedly emphasizes the fact that the steel trust charges too much for its products, or pays too little for its raw material or labor, else it could not accumulate such stupendous profits. Farmers pay tribute to this corporation in their wire netting, fencing, baling wire, etc., and in nearly all their farm implements. They must pay for these things whatever the trust says and that is end of it.

BIG COMPANIES AND BIG PROFITS

THE big companies make big profits. We do not mean in the aggregate only, but on the dollar invested. Take the Pennsylvania railroad system. The shareholders have but recently paid their regular three per cent. semi-annual dividend, which amounted in the aggregate to $9,735,508.50. This company has been in existence 63 years, and during that time it has paid in dividends the immense sum of $329,773,537, or more than five million dollars a year, and aggregating a sum greater than its entire capital stock, which is $324,516,950.

A three per cent. semi-annual dividend does not seem large, it is true, but it is conceded that these large companies are overcapitalized, so that the amount of stock is but little index to the amount of money actually invested. Besides, out of the profits of the business princely salaries have been paid to the higher officers, most of whom have become millionaires in less than a human life time. These and all other obligations and expenses are paid before a dividend is considered.

These vast profit accumulations prove beyond question that passenger and freight rates, charges for service, are too high, or wages paid labor are too low. There is too great an accumulation of surplus. The excess should be left with the people who travel and ship on the lines by a reduction of rates, or it should be divided with those who perform the work, by an increase of the wages paid the laborers. An equitable adjustment of this excess of profits, we presume, would be a fair division of them between the two classes mentioned.

We do not refer to the Pennsylvania railroad system in condemnation of that company specially, but simply for illustration. What we have said is equally applicable to all the great companies backed by millions, and controlling dangerous proportions of the business of the country.

THE PACKERS AND INSPECTION

THE packers claim that they lose $15,000,000 annually because of government inspection. They say they buy meat stock in the open market, and all that is condemned as diseased or in anyway unfit for human food, they have to lose. This amounts to an open confession that before the inspection laws the packers sold annually $15,000,000 worth of meats that were not fit for food.

But the packers claim the government should make good this loss. Not much. The government does not make the prices the packers must pay for stock, nor does it determine what stock the packers shall buy. If the packers buy diseased stock no one is responsible but themselves, and when the government says diseased meats shall not be sold to be eaten by the people, it is only protecting the public health—performing a governmental duty recognized by all civilized people.

But the packers do not lose on this account. They make the prices they pay for live stock, and they are too shrewd not to make prices that will cover every possible loss. And they also make the prices at which they sell meats. This enables them to recoup the losses after the fact. The result is that they make buying prices low enough to make losses impossible, and then they make selling prices high enough to make good the losses from inspection. Thus they easily twice cover the losses complained of. No, not any from the government.

QUEER WAYS OF A BIG PEOPLE

MCLAY PIERCE, the oil trust magnate, swore that his company had no connection with the Standard company or a trust. It has since been proven in two courts that the Waters Pierce Oil Company is a branch of the Standard Oil Company, and Mr. Pierce has been arraigned for perjury. The defense is the technical plea that the false affidavit was made before a lady notary, and there is no legal provision in Texas for a woman to take the acknowledgment of affidavits. The affidavit, however, was accepted by the State and formed the legal basis on which the company was incorporated. The effect of the defense is that the parties do not deny that the defendant swore a lie, and the lie accomplished its purpose, but the lie was sworn before a woman instead of a man, and, therefore, the defendant is not guilty of perjury. Score another for the trust.

Esteemed Subscriber:

If you have not sent your renewal for 1910, won't you please send it now, right now? Up-To-Date Farming is going to be the best it ever was this year, and you know that must be very valuable, indeed

—J. P. Everett, Ed.

It Was Always So

A FEW years ago the price of broom corn brush was low and the crop could not be made profitable even by increasing the acreage and production. Then the other plan was tried, or rather the growers were forced to it, because the crop was unprofitable, the acreage was decreased. That, in connection with a poor season in 1909, resulted in a short crop and extraordinarily high prices.

A report from the central growing district in Illinois says that the larger part of the crop was bought by manufacturers in the field from the growers. It was bought at comparatively low prices because the growers did not know the condition of the crop but the manufacturers did. Since that time brush has gone up to $250 a ton and some choice lots have sold even higher. So great is the shortage and so urgent is the demand that the fields have been gleaned over for all poor brush that was rejected. One notable case is a grower gathering forty bales of rejected brush that brought him $100 a ton. This condition helps to put burdens on the consumers and increase the cost of living. Brooms are universally used and the retail price has doubled in many instances. Threats of a retail price of $1.00 a broom have been heard.

Now as to the lesson to be learned. The same report contained this: "Indications now point to a record-breaking acreage in 1910, the demand for seed exceeding anything heretofore known in the history of the district."

In the first place planting was done without any clear idea of the total acreage that would be put out. Next the producers knew practically nothing about the volume of the crop produced, nor the demand. Third, when finally the production was small enough to compel a high price they did not know it until they had sold out. And lastly, enthused over the high prices prevailing now they are preparing to put out such a large crop that the same old, low, unprofitable prices will be paid next fall.

Why will farmers delay longer in establishing their own system of crop reporting and getting reports of demand? This paper has repeatedly explained how simple the plan is and how easily the system can be established. If it is worth while for the manufacturers to know the supply, as they do know the demand why is it not more important that the producers should know it? Of all people should not the producers of broom corn, and the same may be said of every other crop, know the supply first?

Broom corn is grown in only a few districts in the country. All the growers in those districts could be put in an organized condition to know the supply and the demand in one season if a few of them would just take the lead in the movement and be guided by this paper.

Narrower Roads

IN most of the states the public roads are required to be sixty feet wide, some more, some less. In view of the fact that two ordinary vehicles can pass each other without danger of colliding, in a space of sixteen feet, it must be apparent that a sixty-foot road is a waste of land. And in view of the further fact that land in all farming regions is valuable, and each year is becoming more so, such a waste is not only great, but it is inexcusable.

Gov. Carroll, of Iowa, deemed this a matter of sufficient importance for him to refer to it in an address before a good roads convention, and to suggest thirty, or, at most forty, feet for the width of roads instead of the sixty or sixty-six feet that is now the legal width in that state.

To cut the roads down to thirty feet, which is wide enough for three ordinary teams to travel abreast, or for a team to safely pass between two other teams traveling in the opposite direction, things never necessary to be done, would be a saving of fifteen feet of farming land on each side of the 60-foot road, and eighteen feet on each side of the 66-foot road. What this means to the farmers through whose lands the roads pass, and to the world interested in farm lands, affords an interesting problem for our school-going readers as well as for the owners of the land. This saving of fifteen feet amounts to almost an acre where the road crosses an 80-acre track, and in every mile of road it is a saving of nearly two acres on each side—four acres to the mile. Where land ranges from $50 to $100 an acre it is easy to see what the unnecessarily wide road costs the farmers, and what loss it is to the country.

About the only argument made in favor of the wide road is, that when a place becomes impassable the teamster may have room to drive around it. We agree with a contemporary that this is not a good argument, for if it is known that there is not room to go around a bad place, the bad places will be repaired before they become impassable.

We would suggest a law providing that the land owner may reduce the width of the road on the condition that he will not allow impassable mudholes, to be determined by some equitable standard, to form in the road so reduced.

The Fight For Benzoate

OUR readers all know that the pure food law and the rulings under it, prohibited the use of benzoate of soda as a preservative in food products, but that a special commission later appointed at the behest of the large packing establishments, made a ruling which permitted the use of that article, and that ever since there has been a notable fight over it.

In his late report Secretary Wilson makes this remarkable statement: "Experiments in the preparation of tomato ketchup showed that by giving the ketchup greater concentration than is now the commercial practice, increasing the vinegar slightly, and sterilizing completely by means of heat, the best possible conditions for keeping after being opened in the household, will be presented."

In other words, if the ketchup be honestly and properly prepared of good material, no benzoate of soda or other preservative will be required—the best condition of the article will be secured without them. It is evident from this that the fight that has been made for the use of benzoate is to enable the manufacturers to practice fraud upon the people, to sell an article as good that is not good. Of course an article made of cheap material, or of material that has already passed the stage of usefulness or value, carries more profit when it is sold than does an article honestly made of honest material. Those who oppose the use of benzoate of soda, therefore, are right, and products known to contain it should never be brought into the home. Benzoate of soda may not be actually poisonous, but it is a filthy chemical made from a still more filthy substance, and its use is to hide the rottenness of the material of which the food product or condiment is made. There is an honest living in the world for everybody. It is unfortunate that so many seek to make their living dishonestly, and practice fraud upon their fellow men. Still more unfortunate is it when the general government, in any of its ramifications, seems to rule in favor of the frauds.

More Proof of Range Disappearance

AS the open ranges disappear to make room for the advancing farm settlements, the problem of supplying the world with meat falls more directly upon the farms. "Ten years from now will see the practical extinction of the big cattle herds from the ranges of the West. The sheep herders will linger a few years longer, but eventually they also must go." This is the testimony of Soran Munck, who raises thousands of sheep on the ranges of South Dakota and Montana. The cattle man whose herds not very long ago roamed at will over more than half of western Nebraska, have been driven across the border to make room for the small stock raiser and the farmer, and it is only a question of a short time, in the opinion of the herders themselves, when their domination will end.

In one or two respects the country will be the gainer. The feuds on the ranges between the sheep men and the cattle men, which sometimes become wars of extermination, and result not only in the destrucion of stock, but in the loss of human lives, will end with the disappearance of the cause. This will be the introduction of better times in the West. 2. The increased responsibility to raise live stock on the farms, will lead to better farming. The greater requirement for pastures will reduce the cultivated areas, and make it necessary that the cultivated acre must product more. The business of stockraising fits into this requirement, and not only makes the increased yields possible, but it makes them easy. The fertility from the pastures transferred to the fields in nature's way, does not impoverish the pastures; but it enriches the fields, thus building up the fertility of the country, and working out the desired result.

Changes properly worked out, almost always have compensating features, and the hand of God may be seen in them. Farmers in the interior states, as well as in the West, should prepare to meet this change, and to take such advantage of it as to get the accruing benefits.

INSURANCE AND RAILROADS

INDICATIONS now point to the combination of three of the richest insurance companies in the country, the Equitable Life, the New York Life, and the Mutual Life. If these three companies merge, the combine will have assets of $1,700,000,000 and an annual income of $275,000,000. The insurance held and in force would be $4,750,000,000. The consolidation would, therefore, bring these vast assets, enormous income, and tremendous amount of insurance under the control of one set of financiers.

J. Pierpont Morgan seems to be at the head of this combine, and it is known that the consolidation of these three companies, should it be effectual, would bring under the control of the same set of officers $45,000,000 of New York Central railroad bonds, and $38,000,000 of the Pennsylvania system bonds. Mr. Morgan and his friends dominate through these and other bonds, some of the leading transportation lines of the country.

One could scarcely see any relation between life insurance and the great railroads, except that both are income makers and controllers of capital; and for them to become the property of the same financiers is but one more step in the concentration of wealth that even now threatens the peace and general prosperity of the country.

Add to these signs the fact that the Morgan influence dominates the steel trust, and possibly others, and it may be seen how far we have already advanced in this direction.

EXECUTIVE COMMITTEES AND PRICE MAKING.

ORGANIZED farmers must be as "wise as serpents," but they must also be as "harmless as doves." They are watched with the most uncharitable of eyes. Their intentions may be of the very best, but if there is anything in what they do that can be construed into evil, it is very sure that it will be done.

We are informed that the late national meeting of the Southern Farmers' Union left the fixing of the minimum price for cotton to the executive committee. That is a heavy responsibility. The price of cotton means much to the planters of the South, and to the mills of the country, as well as to all who in any way use cotton goods. Was that the best way to do it?

We do not in the least impugn the executive committee; but how can growers make their arrangements to sell only at a specific price, when that price depends upon a committee the action of which may be delayed? Besides, there is an opportunity for the boodle that is scarcely safe to allow. An executive committee is at most a small body. When it comes to fixing the price of cotton, those with large holdings are very likely to "see" the committee. Or the members of the committee may themselves become large holders, and then fix the price. It may be all right, but there is a possibility for it to be all wrong. So important a work ought to be done by the national body in full session.

THE TOBACCO GROWERS PROBLEMS

(Concluded From Page 3.)

Conventions; decide prices, fair and equitable; pool the crops to permit selling co-operatively; have one price for all buyers; make friends of the buyers; distribute all money promptly; let members of local or county unions put up the warehouses and own them; do everything in the highest spirit and act of equity and thus we will present to the world an example of co-operation as it never witnessed before.

Lessons have been learned from the past. It is easy to distinguish right from wrong. People may be wrong for a while but they cannot remain wrong always. Wrong should serve to make plainer the way to do it right. We hope so and those who seek the right way may depend on the hearty and earnest support of UP-TO-DATE FARMING.

Best Book—Nothing to Equal Up-to-Date.

MR. J. A. EVERITT:—

I receive book "The Third Power," and, after perusing it until late last night, I pronounce it ONE OF THE GRANDEST, BEST BOOKS I'VE EVER SEEN for the betterment of farming conditions, and for the enlightenment of farmers' minds.

Among many so-called farmers' journals I find NOTHING TO EQUAL UP-TO-DATE; it is helping farmers to see the light. Other farm journals are not loth to tell how to produce, yet none but Up-to-Date tells how to market.—Robt.H. Marshall, Clarkton, Va

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

A STATEMENT OF THE POTATO SITUATION



HE potato crop presents the most intricate problem in marketing of all 1909 farm crops. It is intricate, and the future is uncertain because, if the government report of yield is approximately correct, there were produced nearly 100,000,000 bushels more than last year and 44,000,000 bushels more than the largest previous crop and there is no way to accurately estimate the quantity still unconsumed.

That the consumption will be greater than last year is certain because the price was very high then and is low now, also the price of nearly all other foods are higher than a year ago. But the question is: how many potatoes are still held in the country and what has been the rate of consumption? Without knowing these things there is an uncertainty in the future that time only will make clear.

We are led to make these observations because many readers of this paper are holding their crops according to its oft announced policy of controlled and gradual marketing. That farmers have profited by this policy in the past, including farmers who grow potatoes, cannot be denied. The practice of our teaching has made them money even when they were not organized to get reports of supply and demand and to direct the marketing. But this year a condition exists in potatoes such as has not existed before and which could not well come up in any other crop, and we don't want to be censured if holders of potatoes are disappointed. If the market goes to pieces toward the close of the season and some holders lose it will not be the fault of our teaching because we always insisted that organization and co-operation in marketing must go hand in hand with controlled supply.

We caution our readers to not be unduly alarmed. There may have been raised one hundred million bushels more potatoes than last year, about one third more, and still be no surplus. The 1908 crop was very short and prices were very high, which curtailed consumption. Also there were many million bushels imported into the country to help out. Of the great crop raised in 1909 a very great quantity, particularly in Maine have rotted. Also, it must not be forgotten that to make the total yield the extraordinary crops of early potatoes in southern and middle states were counted and which went into consumption long ago.

With the growers organized it would be a simple problem, unorganized there is doubt. But our advice is to watch the demand and market slowly. Don't dump. And we particularly appeal to all holders to not market their entire crop at once. Distribute your marketing over the season and give your brother farmers a chance.

The market is stronger now. Some of the strength is because of the cold weather which held supplies back. When warm, shipping weather comes will come the test. Will potato holders be able to control the situation then without organization? We will see. But don't blame the Equity system if you can not.

VISIBLE SUPPLIES

The visible supply of wheat in the United States on January 1, 1910, by Bradstreets, was 36,074,000 bushels, which was 2,996,000 bushels less than three weeks before, 27,766,000 bushels less than a year before and 17,177,000 bushels less than two years before. The same period in both 1908 and 1907 showed heavy increases in the visibles in contrast with the decrease this year of about 1,000,000 a week.

The visible supply of corn on the same date was 13,262,000 bushels, which was 4,708,000 bushels more than three weeks before, 130,000 bushels more than a year before and 5,216,000 bushels more than two years before.

The visible supply of oats on the same date was 16,332,000 bushels, which was 1,480,000 bushels more than three weeks before, 1,281,000 bushels more than a year before and 2,728,000 bushels more than two weeks before.

The visible supply of barley on the same date was 5,108,000 bushels, which was 984,000 bushels less than three weeks before, 1,974,000 bushels less than a year before and 2,380,000 bushels less than two years before.

The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, with comparisons, was:

Week ending	Dec. 24 1909	Dec. 17 1909	Dev. 25 1908
American	3,876,957	3,776,809	4,408,834
Other kinds	1,044,000	981,000	804,000
Total	4,920,957	4,757,809	5,212,834

Price, New York, Jan. 8, middling upland, 15.85c; Middling Gulf, 16.10c.

PRICE OF CASH GRAIN

The closing prices of cash grain in the principal markets, on Jan. 8, with comparisons, were as follows:

CHICAGO—Wheat, No. 2 red, $1.25@1.26½, two weeks before, $1.25½@1.26. Corn No. 3, 64½c, two weeks before, 60@61½c. Oats, No. 3 white, 47@48¼c, two weeks before, 46c.

ST. LOUIS—Wheat, No. 2 red, $1.32@1.32½, two weeks before, $1.27@1.28. Corn, No. 2, 66½c, two weeks before, 68½c. Oats, No. 2 white, 49@50c.

KANSAS CITY—Wheat, No. 2 red, $1.22@1.28, two weeks before, $1.22@1.25; (No. 2 hard wheat, the Kansas Standard is quoted at $1.09@1.15. Considering the wide latitude in the market price of both No. 2 red and No. 2 hard and between these two classes it is evident that there is no real established market price, but buyers pay about what is necessary to get stock. Such a condition is demoralizing to trade.) Corn, No. 2 65c, two weeks before, 63½@64c. Oats, No. 2 white, 47@50c, two weeks before, 45@47c.

CINCINNATI—Wheat, No. 2 red, $1.29@1.32, two weeks before, $1.27@1.31. Corn, 68@68½c, two weeks before, 62½@64½c. Oats, 48@49c, two weeks before, 48½c.

NEW YORK—Wheat, No. 2 red, $1.29@1.30, two weeks before, $1.27@1.27½. Corn, No. 2, 72½@73c, two weeks before, 70½@70¾c. Oats, 52½@54½c, two weeks before, 47½@52c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.15⅝@1.16⅝, two weeks before, $1.13¼; No. 1, Northern Spring, $1.15⅛@1.16⅛, two weeks before, $1.11⅜@1.12⅜.

FUTURE PRICES OF GRAIN.

Chicago futures closed December 8 as follows:

WHEAT—May, $1.13⅝; July, $1.03½; Sept., 98¾c.

CORN—May, 68⅜c; July, 66¼c; Sept., 68⅛c.

OATS—May, 47⅞c; July, 44⅝c; Sept., 41⅝c.

CHICAGO PRODUCE MARKET, JAN 8.

POTATOES—A firm feeling prevailed. Receipts were very light on account of cold weather and snows.

Arrivals by cars, with comparisons, follow.

	This week	Last week	Last Year
Monday	*112	55	53
Tuesday	56	20	10
Wednesday	16	12	42
Thursday	25	23	33
Friday	6	27	60
Saturday	21	x..	23
Total, 6 days	236	137	221

*Two days. xHoliday.

Prices—Minnesota, Wisconsin or Michigan, Good to choice white stock, 45@47c; fancy, 48@50c; fair, 40@45c. The price is 5 to 6 cents higher than two weeks ago.

HAY—Market firm. Timothy in light supply and steady. Prairie hay very scarce and demand good. Price—Choice timothy, $17.50@$18.00; No. 2 timothy, $15.00@16.00. The price was 50c a ton lower than two weeks before.

BEANS—There was quite a shade firmer market for Pea Beans. Demand very good. Also the finer grades of Red Kidneys are quoted a shade higher. Prices—Choice hand-picked Pea, $2.18@2.20; Mediums, the same as Pea Beans. Red Kidneys, poor to choice, $2.60@2.90. The price on Pea Beans is 5 to 10c higher than two weeks before.

APPLES—There has been very little doing in the market lately because of cold weather. There is reported a liberal supply of common and medium grades; percentage of fine fruit in supply is small. Prices per barrel:

	No. 1	Fancy.
Ben Davis	$2.25@2.50	$3.50@3.75
Jonathan	3.50@4.00	4.50@5.00
Kings	2.75@3.00	3.50@4.00
Spies	2.75@3.00	3.25@3.50
Baldwins	3.00@3.25	3.75@4.00
Greenings	3.00@3.50	3.75@4.00

The price is the same as it was two weeks before and by referring back we find the price was practically the same November first, '09. This is a remarkable exhibition of uniform price and very unusual.

EGGS—The market is reported as being "in a satisfactory condition for holders" Trade continues good, both in fresh and storage eggs. Fresh eggs are scarce. The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases included, 25½@30½c, two weeks before, 24½@28½c.

Miscellaneous lots cases returned ½c less.

Ordinary firsts, 33c, two weeks before, 30c.

Prime firsts, 38c, two weeks before, 33c.

Refrigerator; extras, 26@27½c; two weeks before, 24½c.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week Cases	Last week Cases	Last Year Cases
Monday	3,661	4,029	4,588
Tuesday	4,362	3,906	4,652
Wednesday	2,582	4,322	5,189
Thursday	2,540	1,798	3,521
Friday	2,687	1,370	4,347
Saturday	1,681	*	4,278
Total	17,513	15,425	26,575

*New Year's.

Receipts April 1, 1909, to Jan. 8, 1910, 2,816,196 cases.

Receipts April 1, 1908, to Jan. 9, 1909, 2,617,879 cases.

Receipts April 1, 1907, to Jan. 11, 1908, 2,720,858 cases.

MISCELLANEOUS NEWS

See the Minimum Prices on Local Union page. Hereafter they will always appear there.

Report says that Oklahoma City now boasts 1,000 autos. That is an agricultural section.

A dime per bushel on the leading 1909 grain crops would be: Wheat, $73,700,000; Corn, $266,000,000; Oats, $100,700,000; barley, $17,000,000. There has been more than a dime per bushel advance since the dumpers sold out after the respective harvests.

Farmers should give more thought to maintaining prices of most crops than to extending them. Remember to give equity as well as seek it.

It is reported that the packers now express as much respect for a four footed animal as they do to their customers. They say: "My dear hog."

A special cable to the Northwestern Miller says: "The total yield of wheat is officially estimated at 165,000,000 bushels." The government report of the former crop was 192,489,000 bushels.

A press dispatch from Washington says: Gambling in futures is to form the subject of a conference soon to be held at the White House. President Taft proposes to arrive at a means, if possible, of preventing an unnecessary amount of stock market trading in future deliveries of wheat, corn, cotton and other products.

The city of Chicago passed an ordinance requiring the weight to be stamped on every loaf of bread. The large bakers then announced that the price would be advanced to 6 cents.

A report from New York says that the demand for peanuts this year will far exceed the supply and prices will be 50 per cent. higher than last year. The crop is reported as an average one. Explaining the demand the report says: "Peanut butter has made a great hit and many nuts are used in it; the National Biscuit Co. uses 60,000 bags a season in one of its products and the consumption by bakers and confectioners has increased greatly." As a few instances of prices these are given: "Spanish Shelled nuts, last year, 5½c, now 7½c; Virginia shelled, year ago, 4½c, now 6½c; Jumbos, year ago, 5c, now 7c; extras, year ago, 2¾c, now 4½c; No. 2, Virginias, year ago, 1¾c, now 3c.

The price of cabbage is soaring, $20.00 per ton was paid for cabbage in Chicago, the last week in the old year. The crop was large, but, it is explained, a great quantity was marketed early and the warm November weather caused much loss and shrinkage.

Reports from Florida and Texas are that heavy damages have been sustained by fruit and vegetables because of the very hard freezes the last of the old year. Some reports say "All of the early vegetables throughout the state were frozen."

The Grand Junction, (Colorado) Fruit Growers Association is paying its members for the fruit sold it. The total, it is figured, will amount to $1,125,000.

Farmers' wives down in Harrison Co., Ky., took a hint from their husbands who pooled their tobacco. They pooled their turkeys before Christmas—formed a turkey trust on a small scale. When they found a dealer who would take all they had, at 18 cents a pound they sold. They received about $16,000 and figure $2,000 of it to the credit of co-operation.

News comes from Washington that a resolution has been introduced in the House of Representatives for an investigation of the cold storage business of the country on the ground that the warehouses enable dealers to manipulate prices.

Late reports from Florida is that the damage from the late freeze was not as great as at first feared. It is estimated that the citrus-fruit crop was cut down 10 to 25 per cent. and vegetables 40 to 50 per cent. The former was a large crop and what remains will probably bring as much money as the whole would; while vegetables can be replanted and the chief loss will be labor and seed.

Somebody, with a leaning toward figures, has estimated the yields of corn in the principal divisions of the earth as follows: North America, 3,500,000,000 bu.; Europe, 630,000,000; South America, 300,000,000 bushels; Asia, 150,000,000 bushels; Africa, 40,000,000 bushels. Oceanica, 10,000,000 bushels.

A dispatch from Kansas City says the three officers and six members of the board of directors of the Kansas City Fruit and Produce Exchange were indicted by the Jackson county grand jury. The indictment charges a combination to control the price of butter, eggs, potatoes and other food stuffs on the Kansas City market.

Also, Judge True of Kanssa City, Kas., recently declared that the Traders Live-stock Exchange Ass'n., operating at the Kansas City Stock Yards is a trust and its methods violate the Kansas anti-trust laws. He ordered it to dissolve.

The president of the American Warehouse Ass'n. recently announced that there were 1,500,000 eggs in cold storage in the United States.

Thirteen and one-half years ago wheat sold in Chicago at 55 cents a bushel. Then all the predictions were that the days for high priced wheat were past. It was supposed that every country on earth had almost boundless wheat areas and that they were going to sow it. Then it was claimed people were discontinuing to eat wheat bread and would eat oats, corn and other foods to the neglect of bread. Now it is the reverse. It is freely predicted that no grower need ever sell wheat at less than $1.00, and this paper believes if he does he makes a gift of the difference to the buyer.

In Indianapolis fresh eggs are selling at 45c a dozen, retail. Storage eggs hold the centre of the stage because enough fresh eggs cannot be had at any price. Also great quantities of storage eggs are going back to country points from whence they originally came. Wonderful system of distributing farm crops! Creamery butter also retails at 45 cents. Meat prices have broken all climbing records. Pork chops retail for 18 to 20 cents and pork tenderloin at 35 cents a pound. Nothing but the wonderful system of distribution is responsible for such high meat prices. It is the system of distributing farm crops, between producers and consumers, that this paper seeks to improve.

BULLETINS.

The following named bulletins and publications have been received since our last report. Usually they can be obtained free on application. We recommend our readers to send for all that they think will interest and benefit them.

United States Department of Agriculture, Washington, D. C. Circulars: No. 697, monthly list of publications (December); No. 695, Orange Growers Warned Against a Serious Mistake;" "No. 43, The Deterioration of Corn in Storage; The Government Meat Inspection. Bulletins: No. 382, The Adulteration of Forage Plant Seeds; Report of the Chief of the Bureau of Animal Industry.

Alabama Experiment Station, Auburn, Ala.—Bulletin: No. 148, Raising Lambs and Feeding Cotton Seed Meal to Pregnant Ewes.

Arkansas Experiment Station, Fayetteville, Ark.—Bulletin: No. 104, Farm Drainage.

California College of Agriculture, Berkley, Cal.—Bulletin: No. 201, The Dairy Cows Record and the Stable.

Connecticut Experiment Station, Storrs, Conn.—Buletin: No. 60, Bacillary White Diarrhea of Young Chickens.

Illinois Experiment Station, Urbana, Ill.—Bulletins: No. 138, Pasteurization as a Factor in Making Butter from Cream Skimmed on the Farm; No. 142, Short Fed Steers, A Comparison of Methods of Feeding; No. 141, Relative Efficiency of Different Rations for Fleshing Horses for Market; No. 139, Composition of Market Butter.

Indiana Experiment Station, Lafayette, Ind.—Bulletins: No. 136, Steer Feeding; No. 137, Dairy By-Products as Supplements to Corn for Fattening Hogs. Circular: January Short Course for Farmers and Home-makers.

Kansas Agricultural College, Manhattan, Kans.—Circular: Prairie Dog Situation. Bulletin: No. 162, The Marketing of Eggs. Quarterly Report of the State Board of Agriculture.



MAKING A RECORD.

UP-TO-DATE FARMING

Production and Marketing

THE COTTON CROP

THE number of bales of cotton ginned up to December 1, 1909, was reported to be 8,878,277, against 11,008,661 ginned up to December 1, 1908.

The number of bales ginned is reported by states as follows: Alabama, 919,575; Arkansas, 613,871; Florida, 55,958; Georgia, 1,677,232; Louisiana, 237,553; Mississippi, 866,950; North Carolina, 536,163; Oklahoma, 504, 826; South Carolina, 998,340; Tennessee, 206,357; Texas, 2,212,319; all other states, 49,133.

The total cotton crop is estimated by the United States crop reporting board to be 4,826,344,000 pounds, which is equivalent to 10,088,000 bales of 500 pounds each. The estimate by states is as follows: Virginia, 10,000; North Carolina, 615,000; South Carolina, 1,095,000; Georgia, 1,800,000; Florida, 57,000; Alabama, 1,020,00; Mississippi, 1,020,000; Louisiana, 280,000; Texas, 2,570,000; Arkansas, 715,000; Tennessee, 24,000, Missouri, 49,000; Oklahoma, 617,000.

Comparison of the latter figures with the former shows that the bulk of the crop had been ginned by December 1. The estimates as well as the reports of cotton ginned, show a short crop, and if the growers properly control the market there is no question but that profitable prices will be obtained.

But the trouble is most planters have already disposed of their crops, and they did it before the size of the crop was known; hence the benefits of high prices will accrue to the purchasers rather than to the producers. When the farmers are selling there are always reports of large crops and heavy yields. Did you ever notice that?

KNOWING HOW TO FARM

We are glad there are institutions of learning, and we are glad young people are availing themselves of the opportunities afforded by them. Some of these institutions, or most of them, may be a little narrow in their teaching, and only a small percentage of the young men and young women of the country may be able to benefit by them; yet they are the hope of the future intelligence of the people, and the promise of greater efficiency in the affairs of life. From the leading editorial in a recent issue of the Southern Farm Gazette, we take the following:

> We are just beginning to learn how to farm; and the man who learns the most about how to farm is the man who is going to get the most out of his farming—not only the most money but the most satisfaction, the most mental development and the most opportunity for service to his fellow farmers and the State.

The editor may have intended that to apply particularly to his southern constituency, but it applies to the whole country. The man who learns most about how to farm is the sure winner. He must not only learn how to plow, and plant, and cultivate, and gather, but he must learn how to save his land and make it richer, how to decide upon the most profitable crops, and, above all, how to get remunerative prices for them. A school of medicine never stops until it teaches how to make charges and collect them. Neither does a school of law or of mechanics.

The farmer's income reaches him through a much more complicated channel than any of these; yet the marketing of his products is never mentioned in his text-books, and very seldom in his class exercises. About the first thing taught in business colleges is how to keep books, strike balances and insure profits. Why not teach similar lessons to farmers? Farming is a business. Book keeping is essential to it. Costs must be figured out, and profits must be secured, or bankruptcy follows. If a farmer cannot control his business; if he is master only of his methods of cultivation, and must leave it to some one else to tell him how to sell, he is bankrupt already. He may live and keep out of jail; may even support a family and, in a measure, educate his children, but he does so because his business is the best one on earth, and he literally produces what he lives upon. He cannot figure on his income. That depends, by present methods, upon other people.

We say, then, educate the farmers. Teach them how to farm, how to keep books, how to sell, and how to estimate profits—how to be business men.

What shall we do with the schools? Urge them to add these things to their teachings, and keep at it until they do. But what of those who cannot go to school? Reach them with the press—live papers that are broad enough to teach the whole thing. There is no longer room for narrowness in agriculture. The half of anything is not enough. Bring up the neglected part of farming, and make farm life a business completeness, fully rounded out, that does not stop until every ounce of surplus the land produces is disposed of at a profit. Then it may be truly said that farmers are business men and know how to farm.

SEED CROP OF CLOVER

Clover seed is a commercial commodity, the demand for it is increasing, and the price is high, in many places around ten dollars a bushel. The fact that few growers save the seed is responsible for the large demand and the high price.

To raise clover seed an Iowa farmer recommends that the crop be pastured close until in June, and then clipped to make it even, after which it is allowed to grow and mature the seed.

Or, in lieu of pasturing, he would run the machine over it about twice before June, clipping close and even, leaving the clippings on the ground, and allowing the seed crop to grow after the last clipping.

A Minnesota farmer sowed six pounds of clover seed to the acre and dragged it in on ground that had already been sowed to oats. He got a good stand, but does not tell how he treated the clover after the oats crop had been taken off. His purpose, however, was to clip it about the middle of the following June, and then allow the seed crop to grow and mature. But when he went to clip it at that time he found too heavy a growth, as he thought; so he cut it and cured it for hay. On sixteen acres of ground he thus got 41 loads of hay. In the fall he got more than 45 bushels of seed from the same ground, which he sold at $7.50 per bushel.

In Southern Illinois the practice is to cut the clover for hay as soon as the first blooms begin to turn. The seed crop follows, and is cut when almost all the blooms have ripened. The yield is one and a half to two bushels of seed to the acre, worth from ten to fifteen dollars per acre besides the hay crop.

To sow with or immediately after early sown oats (if after, drag or harrow lightly) is one of the surest ways to get a stand. A common method of sowing is on winter wheat, sowing the seed broadcast, and leaving it so. In this way of sowing much of the seed fails to get covered and is lost. Though very seldom practiced, a light harrowing after sowing the clover seed, would benefit rather than injure the wheat, and it would insure a stand of clover. Sown with oats or on wheat, the clover may afford rich pasturage the following fall.

It Pays to Plant Right

There is a right way and a wrong way to plant. Soil conditions vary, even in adjoining fields, and no iron-clad rule can be made to fit every condition. It is essential to have the land in proper condition for seeding, and no one will deny it. There is a time to sow and a time to reap, and the ruler of the universe has never yet failed to provide a time for both. However, some men get in such a hurry to seed that they think they cannot possibly wait another hour, so they get stampeded, mud in their crops and then wonder why their more successful neighbors get more bushels to the acre. Yes, it pays to plant right. It pays to have a good reliable grain drill to do the work—a drill that will not clog, choke or skip—a drill that will handle any size seed in any quantity desired—a drill that will sow all brands of commercial fertilizers, no matter how difficult to handle. That old, reliable grain drill, the Farmers' Favorite, manufactured by The American Seeding Machine Co., Incorporated, Springfield, Ohio, is a drill that can be thoroughly relied upon to do the work of any farmer in any part of the world. Among the many styles and sizes of Farmers' Favorite Drills will be found drills exactly suited to the seeding conditions anywhere. This drill is guaranteed in such a way that the purchaser runs no risk. Send for the Farmers' Favorite catalogue. Go to your implement dealer and insist on looking over the Farmers' Favorite Drill.

PELLAGRA AND BAD CORN

Pellagra is not a new disease, but it is one greatly to be dreaded, and to be carefully avoided. A recent outbreak in a state institution has attracted wide-spread attention, and has brought the disease before the public as it never was before. A great many deaths have occurred, and the disease is thought to be in some way connected with the use of bread made from ordinary maize or Indian corn.

It would seem that this fact would be difficult to establish, for not nearly so much corn bread is used now as was used during the early settlement of the country, when not so much wheat was grown and flouring mills were scarce.

But it is alleged that the institution in question is not very scrupulous as to the quality of the food served the inmates, and it is quite broadly hinted that spoiled corn meal finds its way to the kitchen. This has given rise to the conclusion that if the disease is connected with the use of corn at all, it is unsound or spoiled corn and not good, sound corn. This suggests a precautionary measure. In order to get the greatest possible pasture benefits from the stalk fields, corn is harvested as early as it is thought will be safe, and it is often put in cribs of large capacity too often with little or no provision for ventilation. Even when cribs are made of slats the air does not penetrate very deeply into the bulk of a large and compact body of corn. In such case the cob and the grain next to it, the vily germ, may become moldy and unfit for food, though the defect may not be readily detected. There is no doubt that this is the kind of corn that is conducive to pellagra. Is it so good for stock as that which has been thoroughly dried?

We have secured ventilation by putting poles at intervals through the pile of corn. An Iowa farmer uses tiling for that purpose, putting it at intervals through the entire bulk of the corn. That would undoubtedly afford perfect ventilation. And it is not so expensive as would appear, for the same tiling can be used year after year.

WORK BEFORE SEEDING

The winter is a good time to talk of what we will do next spring and summer, and how we will do it; and in this connection we wish to talk about the work the land should have before seeding. We believe the quickest and surest way to increase the yield of any crop is to thoroughly work the land

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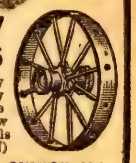
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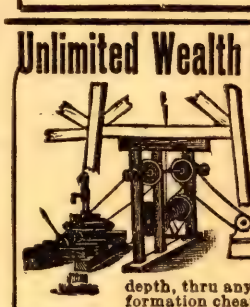
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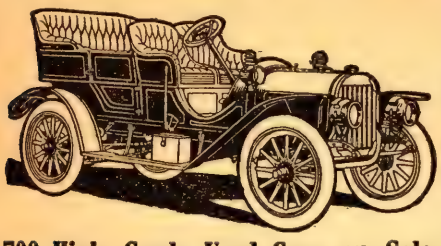
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before seeding it. A few years ago the Clark method of raising hay attracted wide attention, and was given space in nearly all the agricultural papers. The gist of it was that he began to work the land early in the spring and continued to work it at intervals throughout the season. When the time came for seeding, which was rather early in the fall, he gave it a thorough working, packed it down with drag and roller, and then seeded, using about double the usual amount of seed, and the very best he could get, finishing with a light harrowing. Next harvest he had about three tons of best hay, where one ton more or less weedy, had been the rule. It was the extra working of the soil, its thorough acration, and the extra amount of seed, that gave the result.

Last fall was a year ago, a neighbor began to break a piece of wheat land. A severe drought came on and the ground became so hard he had to quit when only a strip on one side had been broken. The drought was a protracted one, but it ended with heavy rains, beating down the land that had been plowed, so that when the farmer returned to the field, he began at the beginning, and again plowed the strip that had already been broken. That strip showed better wheat from the time it came up until it was harvested, and made considerably better yield. To the credit of the double plowing and the better acration.

Farmers have noted good and bad results from fall plowing. The bad results have almost invariably come when the ground was turned deep in the fall, and then merely worked down in the spring and planted. The crop had to grow in the poorer soil brought up from the bottom, and it could not do its best even with the extra acration. The good results followed the rebreaking of the land in the spring, bringing the best soil again to the surface, given more humus by the decay of the matter turned under, and enlivened by the thorough acration.

Failing to get a stand of winter wheat sown in the fall, farmers often turn the wheat under in the spring and plant to corn or some other crop, always with improved results. Again give the credit to the additional working and better acration.

All this undoubtedly proves that it pays to work land well before planting, no matter what the crop. We would much rather risk a crop planted too late, as custom would say, on doubly worked land, than planted "in the nick o' time" on land not well worked. Full half the cultivation, of cultivated crops even, should be done before planting.

LANDS AT REST GROW RICHER

When there was just as much land as there is now and not nearly so many people, it was quite a common practice to farm a field so long as it would produce an acceptable crop, and then "throw it out," and take in a new field. The waste field might wash into ditches, but the undisturbed surface would slowly grow in fertility. It would first produce a kind of unnutritious grass, then various weeds and sprouts, which ultimately grew into small trees, and the land was ready to be "cleared off" again and put to cultivation—not so rich as it was before because Nature had not so long had it in the hospital.

Pasture lands grow rich faster than waste fields, because the manure left by the stock and the tramping aids them. But what is the source of this fertility? Bacteria. The farmer reader is quite familiar with the nitrogen gathering bacteria of the legumes; but legumes have not been growing in these waste fields and pastures.

Well, Nature is "on to her job," and she is doing her best. A bacteria, called azotabactor, has been discovered that inhabits only uncultivated land. It is said to have been abundant in the unbroken prairie and in the forest soils, gathering nitrogen from the air and for ages storing it for the use of future crops. But so soon as man thrust in the plows here azotobactor perished and disappeared, leaving its disturber to his own resources.

When the field is thrown to waste, or is allowed to sleep beneath the feet of the grazing herd, this bacteria slowly regains its former home and begins once more to draw soil fertility from the air and store it away in the neglected earth. But the process is slow. Man can't afford to wait for it. In the pastures, of course, he is not waiting; he is using the land while it recuperates. Land must not be thrown out any more. There is no new land to take its place. The slow, unworked land bacteria must yield to the more active bacteria of the legimes, and the leguminous crops must be deftly sandwitched in between the nonbacteria crops, that the air may constantly be kept under tribute to human needs in soil fertility.

OBJECT OF CULTIVATION.

The principal object of tilling is pulverization of the soil, which is equivalent to saying it is for the conservation of moisture. Finely pulverized soil not only absorbs moisture more readily and in greater quantities than that which is unpulverized, but it holds it longer without being what is called water-soaked or mud. Indeed, finely pulverized earth does not become mud until it is worked up or stirred. Then, however, it very quickly takes the form if it holds a surplus of water. That is the reason why plowing or in any way stirring ground that is "too wet" is injurious. Ground that has been worked into mud bakes or dries hard, and cannot be again brought into good tilth until it has been pulverized by stirring and crushing, or by what is called weathering—slacked by rain and sunshine, freezing and thawing, etc.

Moisture to be most available for plant growth is in the form of what the scientisist call film moisture. This is a very thin film of water adhering to and surounding a substance. It is illustrated by anything that is merely wet on the outside, like a marble, for instance, immersed in water and quickly withdrawn from it. The water adheres to it all around in equal thickness . Each particle of moist earth is thus surrounded by a film of water, and it is evident that the finer these particles, the more of them there are, and the more water they will hold in this film form. Whenever there is more than enough water to cover the particles with the film, gravity pulls the excess downward, and it seeks a means of escape through drains.

SUGGESTIONS

The time of year is at hand when farmers who have silos have already begun to feed out of them, and we are satisfied that these people that have silos are making a large saving in the cost of feed. This is the time of the year for those people who are feeding their animals dry food of all kinds to go to the feeder of ensilage and see what he is doing, compare notes. We suggest this action because we are so thoroughly well satisfied that the grower of corn has got to come to the use of the silo. Now we are not advocating any particular construction, although we believe the stave silo, all things considered, is the cheapest on the market today.

The feeding of ensilage has got to come because we find that it covers a greater field each year and our idea about the purchase of the silo would be the sooner a man puts it in the less it will cost him because he canont expect to buy suitable material for any kind of a silo for any less money than he can today. As this is the time of the year when a man should have a little leisure, if any time, he can take up this matter, get posted, wants before he decides how he will plant his corn, or before corn planting.

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It is pretty certain that when a reliable fence manufacturer offers to send a sample of his fencing free to any one asking for it, he is offering something worth considering. Page Woven Wire Fence Co.Box 249, Adrian Mich., offers to do this, and if any reader is thinking of buying fencing, he had best get this sample before buying.

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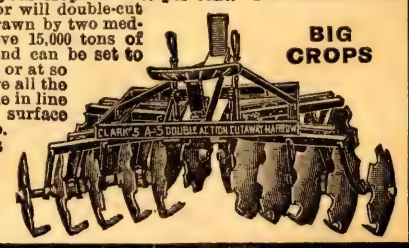
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GET FREE BOOK NO. 169

WHAT RECORDS TO KEEP FOR THE CENSUS

An outline for the American farmers of the method of keeping a written record of their farm operations and equipment to insure an accurate farm Census next year has been issued by U. S. Census Director E. Dana Durand. It was prepared by Prof. Le Grand Powers, U. S. Census Chief Statistician for Agriculture. It states:

"The advantage of always having on hand for ready reference a detailed written statemnt of one's farm property are already understood by everyone and will be most keenly appreciated when the Census enumerator calls with his list of questions next April. The value of the Census figures of farm wealth depends upon their accuracy, and accuracy can only be secured through the co-operation of the farmers themselves. In no way can the farmer extend more practical assistance to the Census Bureau, and in no way can he render himself a greater service than by getting out his pencil and note book on the evening of April the fourteenth next and making up a statement of his farm property. The questions to be asked concerning farm property are as follows:

1. Total value of farm, with all buildings and improvements.
2. Value of buildings.
3. Value of all improvements and machinery, including tools, wagons, carriages, harnesses, etc., and all appliances and apparatus used in farming operations.
4. Number and value of domestic animals, classified as follows:

Cattle:
(A) Born before January 1, 1909:
Cows and heifers kept for milk.
Cows and heifers not kept for milk.
Steers and bulls kept for work.
Steers and bulls not kept for work.
(B) Born in 1909:
Heifers.
Steers and bulls.
(C) Calves born in 1910.
Horses: All horses born before January 1, 1909.
Colts born after January 1, 1909.
Colts born after January 1, 1910.
Mules:
All mules born before January 1, 1909.
Mule colts born after January 1, 1910.
Mule colts born after January 1, 1909.
Asses and Burros (all ages.)
Swine:
Hogs born before January 1, 1910.
Pigs born after January 1, 1910.
Sheep:
Ewes born before January 1, 1910.
Rams and wethers born before January 1, 1910.
Lambs born after January 1, 1910.
Goats and Kids (all ages).

5. Number and value of poultry over 3 months old:
Chickens.
Ducks.
Geese.
Turkeys.
Guinea Fowls
Pigeons.

6. Number and value of swarms of bees.

"The census will not ask the value of household goods, nor that of hay, grain, or other farm crops on hand on April fifteenth. These items should be included, however, by all desiring a complete inventory of their farm property.

"The value given to the farm should be, as nearly as can be judged, the amount that could be obtained for it if offered for sale under normal conditions. Current market prices should be carefully considered in estimating the value of live stock.

"Although the Census merely requires a statement of total value of all implements and machinery, it is believed that a classification of these items under the following four heads will be found valuable:

1. Vehicles: This class comprises automobiles, wagons, carriages and sleighs, and equipment used in connection with them, as harnesses, blankets, whips, etc.
2. Heavy farm implements; comprising all implements and machinery operated by any power other than hand power, as plows, harrows, rollers, reapers, mowers, hay-loaders, feed grinders, etc., etc.
3. Hand machinery and tools; including carpenters' tools, hoes, shovels, scythes, forks, grindstones, fanning-mills, etc.
4. Miscellaneous articles; including all such minor equipment as kettles, pails, barrels, baskets, ladders, ropes, chains, etc., not included in the first three classe.

"Many farmers greatly underestimate the total value of their possessions of this character when considering them in the aggregate, and it is only by preparing an itemized list as suggested above that an accurate estimate of their worth can be made. The value assigned this class of property in the inventory should be the estimated amount it would bring at public auction under favorable conditions.

"No special blanks or forms are necessary for preparing an inventory. An ordinary notebook answers all purposes, but it should be large enough to admit of carrying the figures for at least five years in parallel columns. This facilitates comparison of the figures for different years. Some may find it more convenient or desirable to take stock on January 1, than on April 15. It will be a sample matter to bring such an inventory up to date when the Census enumerator calls, as it will only be necessary to take into account the changes that have taken place during the brief intervening period.

"As in the case of the farm inventory, no special blanks are required for the record of farm products of 1909. An ordinary note book with leaves at least six inches wide will be found convenient. The following information will be called for:

1. Farm expenses in 1909.
(A) Amount spent in cash for farm labor (exclusive of house work).
(B) Estimated value of house rent and board furnished farm laborers in addition to cash wages paid.
(C) Amount spent for hay, grain, and other produce (not raised on the farm) for feed of domestic animals and poultry.
(D) Amount spent for manure and other fertilizers.

"No inquiry is made regarding household or personal expenses or expenditures for repairs or improvements. Each of the four questions asked is of fundamental importance in its bearing on agriculture as an industry.

2. Live stock.
(A) Number of young animals of each kind born on the farm in 1909.
(B) Number of animals of each kind purchased in 1909 and the amount paid; number sold and amount received; and number and value of those slaughtered on the farm.

3. Dairy products.
(A) Quantities and value of milk, butter and cheese produced on the farm in 1909.
(B) Quantities of milk, butter, cream, butter fat and cheese sold in 1909 and amounts received.

4. Poultry and eggs.
(A) Value of poultry of all kinds raised in 1909, whether sold, consumed, or on hand.
(B) Amount received from poultry sold in 1909.
(C) Quantity and value of eggs produced in 1909.
(D) Quantity and value of eggs sold in 1909.

5. Wool and mohair.
Number and total weight of fleeces shorn in 1909 and amount received from sales.

6. Crops.
For each crop harvested on the farm in 1909 give the number of acres, the quantity produced, and the value of the products. The number of acres of each crop to be planted for harvest in 1910, will also be called for by the enumerator. This cannot be determined much before the date of the enumerator. Instead of giving the number of acres in orchards and vineyards, give as nearly as possible the number of trees and vines of bearing age. The quantity of certain fruit products; as cider, vinegar, wine, and dried fruits produced in 1909 will be required, as will also the quantity and value of sugar, syrup and molasses produced from cane, sorghum, sugar beets and maple trees.

7. Sales of specified products in 1909.
A considerable part of the annual production of corn, oats, barley, kafir corn, milo maize, hay, flax-fiber and straw, other straw, corn stalks and cotton seed is usually consumed on the farm. Owing to this fact, a report will be asked concerning the quantity of each of these products sold in 1909 and the amounts realized therefrom.

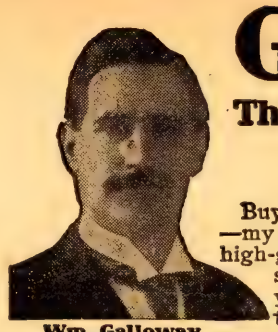
8. Forest products.
The value of all forest products cut or produced in 1909 for farm consumption will be asked, as will also the value of similar products cut or produced for sale, including receipts from the sale of standing timber.

9. Irrigation.
Farmers who irrigate their land will be asked to report the source from which water is obtained, the number of acres of pasture land irrigated, and the total irrigated acreage.

This outline covers every important question that will be asked concerning the farm products of 1909. American agriculture is so diversified and so highly specialized in many of its branches, that any schedule designed to secure a fairly complete exhibit of its resources and operations must necessarily contain a large number of inquiries. The average farm operator will not be called upon to answer one-seventh of the printed questions, hence the somewhat formidable appearance of the schedule should occasion no alarm.

More than four months remain in which to review the results of the year 1909 and prepare for the visit of the enumerator. But preparation of a written record should be commenced at once. No one should attempt to complete it in one evening, but the work should be divided as indicated in the above outline, one evening being given up to farm expenses, a second to live stock, a third to dairy products and so on through the list. In this way, each topic can be given the consideration it deserves, and the resulting figures are certain to be more accurate than if compiled hastily.

We never read a better recommendation than that said of Sam'l. S. Thorpe, Room 2, McMullen Bldg., Cadillac, Mich. In all the years that he has been selling land in the "Cadillac Tract" he has never yet foreclosed a mortgage, or ousted a prospective purchaser. It speaks well of the man as well as the land. Certainly one takes no risk in dealing with a man of this character. If interested in real estate, better write him.



Wm. Galloway
President

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This Ad Saves You Dealer, Jobber, Supply Men, Catalog-House Profits. Nobody Can Beat It

Buy direct from the biggest spreader factory in the world—my price has made it. No such price as I make on this high-grade spreader has ever been made before in all manure-spreader history. Here's the secret and reason: I make you a price on one based on a 30,000 quantity, and pay the freight right to your station. You only pay for actual material, labor and one small profit, based on this enormous quantity.

Get my Clincher Proposition for 1910 with proof—lowest price ever made on a first-class spreader. **No. 5, complete with steel trucks,** 70-bu. size; or Galloway Famous **Wagon-Box,** 4 sizes, from 50 to 60-bu.—with our agreement to pay you back your money after you try it twelve months if it's not a paying investment. How's that for a proposition? If I did not have the best spreader, I would not dare make such an offer. 40,000 farmers have stamped their O. K. on it. They all tried it 30 days free, just like I ask you to try it—30 DAYS FREE.

Drop me a postal and say—"Galloway, send me your Clincher Proposition and Big Spreader Book, **Free,** with low prices direct from factory."

T. F. Stice, Oswego, Kans., writes me—"Often pull it with my small buggy team. Does good work. Have always used the....before. Galloway much the best. If going to buy a dozen more, they would all be Galloways. Thousands more letters like these here.

Wm. Galloway Company, of America, 509 Galloway Station, Waterloo, Iowa

GALLOWAY Wagon-Box Spreaders —Save You $25 to $50 Cash —Freight Prepaid

Here Are Facts You Want To Know:—

Hans M. Johnson, Parkston, Minn.: "I would not trade my Galloway for any $125 spreader I have ever seen."

Garrett Mathias, Mathias, W. Va.: "It is worth two of the ——"

Dewey Hicks, El Reno, Okla.: "Have used a ——, a $135 machine. Couldn't think of changing even."

C. C. Johnson, Morrison, Mo.: "The —— isn't in it with the Galloway."

The ONLY Spreader with MALLEABLE and STEEL for ALL Parts that break and wear out in other spreaders.

Fits the wagon gears you already have.

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The ONLY Endless-Apron Force Feed Spreader in the World.

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Now ONLY $54.50 and Up—Without Trucks—Freight Prepaid East of Rockies and Nor. of Tennessee—Freight Allowed that Far to Points Beyond.

Grow 100 Bu. Corn BY PROPER PLANTING



with Keller's Rotary Corn Planter Gauge.

You can't go wrong with this device. Just clamp a set of these gauges to the runners of any make of corn planter, and you've got an "ironclad" guarantee of a bigger corn crop. Where you've been getting 60 to 80 bushels, you'll then get 80 to 100, and do the planting quicker and easier than you ever did before. The gauge wheels make the shoe cut just so deep, no matter what the speed or how uneven the ground. No planting too deep by ramming through ridges, or corn dropped on the ground by sliding over furrows. All your corn will grow because planted just right, and every acre you harvest can be made a hundred bushel acre, by using Keller's Gauge. **Price $5 per set** delivered to your nearest railroad station. We want to convince you by the words of scores of corn-belt farmers, that Keller's Rotary Corn Planter Gauge has solved the problem of 100 bushel corn. We also want to send you a special and very attractive money-making proposition which will put dollars in your pocket, and yet wont take one hour of your time or work. **Free Booklet** tells all—get it to-day: no letter needed; just clip this ad and send with name and address to

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30 Days' FREE TRIAL



No excuse for stumpy fields. This Hercules is now sold on 30 days' Free Trial. Test it on your place at our risk. Pulls stumps out, roots and all. 400% stronger than any other puller made. Triple power attachment means one-third greater pull. The **only** stump puller guaranteed for 3 years. **Only** one with Double Safety Ratchets, **Only** one with all bearings and working parts turned, finished and machined, reducing friction, increasing power, making it extremely light-running. Hitch on to any stump and the

STUMP IS BOUND TO COME

Also pulls largest-sized green trees, hedgerows, etc. Don't risk dangerous and costly dynamite. It only shatters stump and leaves roots in ground. Save big money; get our **FREE BOOKS** and free trial offer. Also special proposition to first buyers where we have no agents. Write us a postal card today. Address

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A CART LOAD OF FUN

This is the name of our book that should be in every home. More fun to the square inch than a cage of monkeys. A "cart-load" indeed. Space will not permit of our telling much about this book. Take our word for it, that it is worth many times our price If you are not satisfied we return your money on request. Among the titles of the anecdotes and stories contained in "A CART LOAD OF FUN" are the following: "A Man with a Liver," "Pumpkin Pie," "Potts and the Lightning-Rod Man," "How to Go-a-Courting," Baumgartner's Dog." "Stowe's Elephant Story," "Marriage a Scheme to Manufacture Happiness," "Mrs. Jones' Burglar." "Deacon Amos Tenderloin Discusses Dudes," The Sad Case of Fillay du Biff," "A Primeval Scrap," "A One-Horse Hotel," "He Concluded not to Commit Suicide," "Queerly Married." "Hannah was Aroused," "How the Tired Patient Man had His Feelings Upset," "Jone's Baby." "Breaking up a Cat Concert," and 148 others. "A CART LOAD OF FUN" is a book of 64 large double column pages, neatly bound in attractive colored paper covers price 10c each, 3 for 25c; postpaid. **COONER & FORTUNE CO., Indianapolis** **FOR 10 cts.**



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It's now sold **delivered** to fence-buyers everywhere—not just in certain sections, but **everywhere in the U. S.** Plainly priced in the book (factory prices) and the factory pays the freight to your railroad station.

Send me a card or letter for book right away. I'm going to send out 45,000 of these books to farmers this fall, but I'll get them out promptly. Address FARMER JONES, Fence Man for

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Let us send you an actual sample of Page Woven Wire Fence and our valuable Quarter Centennial Catalog Free. See the real Page Wire! Examine the method of weaving the wonderful Page Knot—**the Knot that can't come off!** Study the many styles of Page Fence and the Panorama of Pictures showing extreme tests which this splendid fence withstands. Read how, in our great mills and factories, we **put elasticity, tensile strength and durability** into High Carbon, Basic Open Hearth Steel Wire. **Learn what this means in economy.**

Specified by U. S. Government as standard of quality. Approved by a million farmers. Write at once for Free Sample of Page Fence and Grand Quarter Centennial Catalog.

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STOUT—STRONG—DURABLE—CHEAP

Let us prove to you that Brown Fence will outlast any other because of heavier wires and **heavier galvanizing.** Investigate before you buy. **160 styles** for all purposes. **15c per rod up—We Pay the Freight.** Send today for prices and free sample of all No. 9 **Rust Proof** fence.

The BROWN FENCE & WIRE CO., Dept. 70 Cleveland, O.

SAMPLE FREE

14¾ Cents a Rod

For 22-in. Hog Fence; 15 3-4c for 26-inch; 18 3-4c for 31-inch; 22c for 34-inch; 25c for a 47-inch Farm Fence. 50-inch Poultry Fence 33c. **Sold on 30 days trial.** 80 rod spool Ideal Barb Wire **$1.55** Catalogue free.

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Cheap as Wood.

We manufacture **Lawn and Farm Fence. Sell direct** shipping to users only, at **manufacturers' prices.** No agents. **Our catalog is Free. Write for it today.**

UP-TO-DATE MFG. CO, 973 10th St., Terre Haute, Ind.

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Extra heavily galvanized. Sold direct to farmers at manufacturers' prices. 30 days' free trial. Freight prepaid. Also Poultry and Ornamental Wire and Iron Fences. Catalogue free. Write for special offer.

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LAWN FENCE

Many designs. Cheap as wood. 32 page Catalogue free. **Special Prices** to Churches and Cemeteries.

Coiled Spring Fence Co.
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INSTANCES OF GOOD MANAGEMENT

We are not grouchy. When things go against the farmer we are here to see it and to tell it, and to show a better way. But when things go well with him we desire to see and tell that also. The truth is, these are good times for farmers, and we have often said if farmers cannot lay up something now, they scarcely could do so no matter what their calling. If farmers had the control of their business that other people have, it seems to us they could accumulate wealth as rapidly as anybody else. But it depends largely on personal tact, skill and management. Some in a neighborhood thrive and others do not.

All have heard of the abandoned farms in New England—farms given up because the owners could not make a living on them.

A writer living in New Hampshire gives several instances of profitable farming in that New England State. A dairy farmer near him keeps 800 hens as a side line, as the traveling men say. His annual profits over the cost of the feed are about a dollar a hen. Not far away is another dairy farmer who keeps a herd of twenty-two cows, and the profits on them are $51 per cow—net profits after cost of feed is deducted. New Hampshire had a poor corn crop this year, yet one farmer in that same neighborhood, cribbed 800 bushels of ears from six acres of ground.

Nearby is a very rocky farm, where cultivated crops could not succeed, but the owner gives his attention to swine, sheep and Guernsey cattle, and each year adds to his bank account. Another case is cited by the same writer, in which a man netted $3,000 from forty acres of apple trees, while another man refused $1,000 an acre for his orchard.

The point we wish to emphasize is that "where there is a will there is a way." Success depends upon the man. In any neighborhood this paper reaches, there are those who prosper and those who do not. In almost every instance the difference is in the farmer rather than the farm.

ALFALFA IN NEBRASKA

To Up-to-Date Farming:

I read a short article in your issue for November 15, on alfalfa and clover. I judge from it that there is a mistaken idea in the east regarding the capabilities of this country in the production of these two important crops.

There is such a variety of soils and climatic conditions in Nebraska that enables an observant man to judge correctly what alfalfa and clover would do in any part of the United States, where the atmospheric conditions are similar. I am familiar with this whole state, having traveled extensively through it; and I know whereof I speak, when I say clover as a hay crop will soon be a thing of the past here, while alfalfa is spreading all over the State, though clover was once thought to be the only hay crop that could be raised here.

There is, of course, a reason for so radical a change, and the reason is found in the fact that the feed value of alfalfa exceeds that of clover. Besides it can be fed with beneficial results to all kinds of live stock and poultry. The yield is also greater, as it can be cut here three times a year, and it fertilizes the land as well as clover does. It is also a sure crop on most any kind of soil, provided it is not too near water.

Alfalfa in this state has long since passed the experimental stage, and the results show that any one, anywhere, would be perfectly safe in sowing it to the utter exclusion of any other kind of tame grass.—R. J. Hatch.

Note.—We gladly concede all Mr. Hatch says as to the value of alfalfa, but his experience in Nebraska, however extended and satisfactory, is not sufficient to justify "anyone anywhere to sow alfalfa to the exclusion of all other grass crops." Alfalfa has been introduced into many of the states east of the Mississippi, and in some instances it has been grown to a degree successfully; and the time may come when it can be depended upon anywhere in the country. But that time is not now. The soil must first become infected with alfalfa bacteria, and the process of innoculation has, in many cases, proven a slow one. In a large portion of the country the growing of alfalfa has not even reached the experimental stage, and in no place east of the Mississippi has it passed that. We would not at all discourage the experiments, but we urge the more extensive growing of clover, not in alfalfa growing states, but where clover is a recognized crop and alfalfa is an experiment.

INCREASED ACREAGE OF WHEAT AND RYE

The December report of the Department of Agriculture shows an increase of 2,449,000 in the 1909 area sown to winter wheat, making the total area 33,483,000 acres. The condition of winter wheat December 1 was a little more than ten per cent. better than a year ago. This indicates a promise of considerably more winter wheat as the crop for 1910. The acreage sown to rye is 25,000 acres greater than the preceding year, which makes a total area for 1909 of 2,155,000 acres. The condition of rye December 1 was 94.1 against 87.6 in 1908, and 91.3 in 1907; which promises an increase in crop of rye also.

Where the seed you sow is grown, who grows it, and what care is given it in the growing, are details of the greatest importance. Darling and Beahan, 342 Michigan St., Petoskey, Michigan, have made a specialty of potatoes, peas, and beans, and their location in Northern Michigan has without doubt helped wonderfully in the production of some exceptionally hardy and heavy-bearing varieties. Darling and Beahan publish a 112 page catalogue which they will be pleased to send to anyone inquiring for it and mentioning this paper.

A 7 MILLION ROD PRICE



Our new prices are based on this enormous output. Prices the lowest ever made for a high grade fence. We can

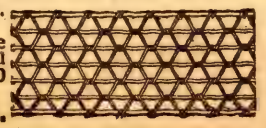
SAVE YOU 5 TO 15 CENTS A ROD

and you'll say it is the best fence you ever used. Easiest put up, lasts longest and is the strongest fence made. Sell to user

AT DEALER'S PRICES FREIGHT PREPAID.

Don't buy fence **AT ANY PRICE** before getting our prices. They will surprise you. We give our customers

30 DAYS FREE TRIAL that they may be sure they are satisfied. Full line of Farm and Poultry Fence. Very low prices on **BARBED WIRE** and **GATES.** Write today for our free Catalogue.



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Made of Hard, Stiff Wire, of Honest Quality

Heavy Fence Means Long Life

Put the fence you buy on the scales. Any American Fence dealer will be glad to do this for you because he is proud of the amount of steel he can give for the money.

American Fence is a heavy fence. The gauge of the wire is larger. Compare with any other fence. The eye is easily deceived on the size of the wire, so put the roll on the scales and weigh it. This test will convince you that the fence you thought was cheap is most expensive when pounds of steel are considered. Weight in fence means strength and durability, and our years of experience have taught us that the heavier the fence the better. No argument for light fences can dispute this.

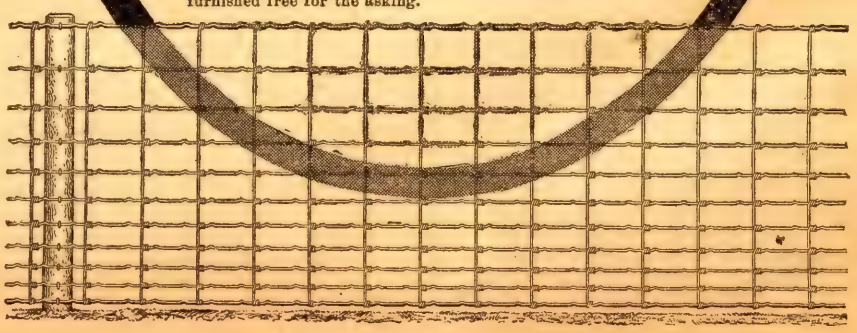
American Fence is made of hard, stiff steel. It is made of a quality of wire drawn expressly for woven-wire-fence purposes by the largest manufacturers of wire in the world. Galvanized by latest improved processes, the best that the skill and experience of years has taught. Built on the elastic hinged-joint (patented) principle, which effectually protects the stay or upright wires from breaking under hard usage.

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NOTE.—Dealers everywhere. See the one in your town and have him show you the different designs and give prices. Also get from him booklet entitled "HOW TO BUILD A CHEAP CONCRETE FENCE POST," furnished free for the asking.



READ THIS CHALLENGE OFFER
on the ECONOMY CHIEF CREAM SEPARATOR



We believe the Economy Chief is the best and most satisfactory cream separator on the market today, regardless of price. We believe it to be the best in design, the closest skimming, the easiest running, the quickest cleaning; in short, the greatest separator value that money can buy. We have absolute confidence in the Economy Chief and we want every owner of cows to share this confidence with us. We want everyone interested in buying a cream separator to have an opportunity to find out for himself which is the best machine, which is THE SEPARATOR TO BUY.



HERE IS OUR CHALLENGE OFFER

Deposit in your local bank the price of the Economy Chief Cream Separator you want to try, or

Send us a letter of reference from your banker stating that you are a reliable person; then

We will ship to you at once, freight prepaid, the separator you order, with the understanding that you are to set it up and try it on your farm for sixty days. Give it the hardest kind of a test; if possible try it alongside some other well known standard make, such as the Empire, United States or De Laval. Compare our machine in actual operation with any other. Note the amount of cream you get from each. Compare ease of running, time consumed in cleaning, and make any other comparisons you can think of. Never mind about the price; what you want from a cream separator is CREAM. If any other machine selling even as high as $85.00 or $90.00 will do better work, will skim closer, will give better satisfaction than our Economy Chief at $42.50, our advice to you is, buy the other machine and send ours back.

When you have finished your sixty-day test, if you are perfectly satisfied that you have the best separator on the market, write us saying that you want to keep the machine, and we will send you a bill for your separator and the freight charges we paid on it.

If at the end of sixty days you are not satisfied that the Economy Chief is the world's best separator, you don't need to even tell us the reason for your dissatisfaction unless you wish to; just drop us a line saying you don't want the machine. We will then send you a return address card to tack on the box **and we will pay you for your time and trouble in making the test, setting up the machine, repacking it and hauling back to the station. You set your own price. We don't want you to lose one penny in trying out the Economy Chief for sixty days.**

Note the Reduced Prices for 1910

WE RECOMMEND THE BIG 600-POUND SIZE

No. 23T51 New 1910 Economy Chief. Capacity, 250 to 300 pounds, or 120 to 145 quarts per hour. Price reduced to.....	**$27.90**
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If you want to send cash with your order, as most of our customers do, you won't lose any of the benefit of the above CHALLENGE OFFER, for if at the end of sixty days you decide you don't want the machine, if you think after a sixty days' trial you can get along just as well without a separator, or if you have seen a separator in operation giving better results than the Economy Chief, just send it back at our expense, tell us how much we owe you for freight charges, hauling from and to the station, setting up and repacking, and we will promptly send you every cent of the purchase price, plus your bill.



This Is Our Challenge Offer and Our Whole Cream Separator Proposition!



FILL OUT THIS SPECIAL ORDER BLANK

☐ **CASH WITH ORDER.** If you are enclosing the full price, simply write the amount in this square.

☐ **CASH IN BANK.** If you have deposited the purchase price of the separator with your local banker, make an X mark in this square and enclose your certificate of deposit properly made out and signed by your bank.

☐ **BANK REFERENCE.** If you prefer not to send us the money, or to hold it in the bank subject to our order, make an X mark in this square and enclose a letter of reference signed by your banker, telling us that you are a responsible property owner.

☐ **FREE DAIRY GUIDE.** Nearly everybody has a copy of our big General Catalog or our Cream Separator Catalog, but if you have not and want more information before ordering, make an X mark in this space.

Name _____

Postoffice _____

R. F. D. No. _____ *State* _____

P. O. Box No. _____ *Street and No.* _____

Up to date Farming Please write plainly and carefully.

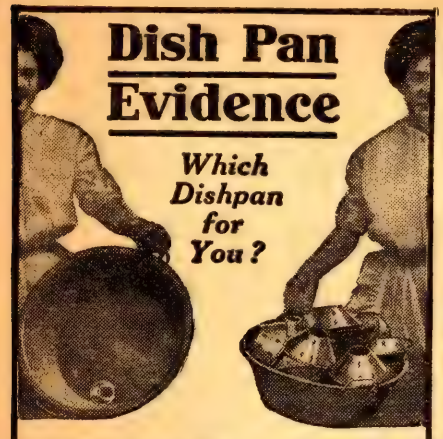
We think our Economy Chief Separator is the best machine in the world. We want to sell you an Economy Chief if you think the same as we do, not otherwise, and we make this challenge offer to give you a chance to find out all about the Economy Chief **at our expense** and to prove our confidence in our own machine.

IF THE MAKER OF ANY OTHER CREAM SEPARATOR IN THE WORLD BELIEVES IN HIS MACHINE AS WE BELIEVE IN OURS, LET HIM MAKE YOU THE SAME PROPOSITION WE DO.

That's all!

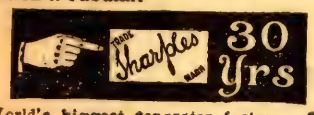
SEARS, ROEBUCK AND CO., CHICAGO

Dish Pan Evidence



The practically empty pan contains the only piece used inside Sharples Dairy Tubular Cream Separator bowls. It is smooth, tiny, instantly removable. The full pan contains the disks from a single common cream separator — one of thousands of the common sort that are discarded for Tubulars every year.

The simple, sanitary Sharples Dairy Tubular is the only modern, easy-to-clean cream separator—has twice the skimming force — lasts a lifetime. The dishpans show one reason why every woman should insist on a Tubular.



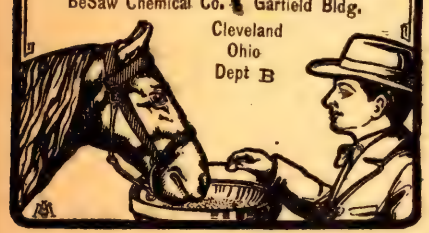
World's biggest separator factory. Sales easily exceed most, if not all, others combined. Tubulars probably replace more common separators every year than any one maker of such machines sells. Write for catalogue No. 136

THE SHARPLES SEPARATOR CO.
WEST CHESTER, PA.
Chicago, Ill., San Francisco, Cal., Portland, Ore., Toronto, Can., Winnipeg, Can.

FREE TRIAL ORDER

We want to give every reader of this paper who is interested in live stock a **Free Trial package of Arabian Stock Tablets**—Enough to make 25 lbs. of the best Stock Food and Tonic Regulator. Delivered post-paid with no obligation except to give a trial. For conditioning horses, cows, sheep, and hogs, Arabian Tablets have no equal. Write to-day giving number of each you are feeding

BeSaw Chemical Co. Garfield Bldg.
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Save Your Lambs

Worms are the sheep breeder's worst enemies. They deplete his flock and eat his profits. Stop your losses by feeding

Sal-Vet Destroys Worms

No trouble to feed it, as with this wonderful medicated salt the animals doctor themselves. It costs but 1-12 of a cent a day per head to feed. Write for Free Book and 60 Days Trial Offer THE S.R. FEIL CO., Dept. U.P., Cleveland, O.



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EARLY BUYERS SAVE MONEY
EARN ITS COST BEFORE MONEY IS PAID
HOW? Get KALAMAZOO TANK & SILO CO.
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MILK FEVER OUTFITS,

Dehorners, Teat Syphons, Impregnators, etc. Received Only Award World's Fairs, Chicago, St. Louis. Write for illustrated Catalog. HAUSSMANN & DUNN CO., 392 South Clark Street, Chicago.

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$1200 year and upwards can be made taking our Veterinary Course at home during spare time; taught in simplest English; Diploma granted, positions obtained for succeesful students; cost within reach of all; satisfaction guaranteed; particulars free. **ONTARIO VETERINARY CORRESPONDENCE SCHOOL, Dept. 10, London, Canada.**

CALVES. Raise Them Without Milk. Booklet Free. J. W. BARWELL, Waukegan, Ill

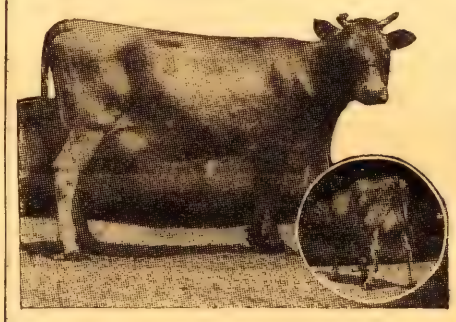
UP TO DATE LIVE STOCK AND DAIRYING

WHAT A COW MAY DO

THROUGH the courtesy of the American Guernsey Cattle Club, we are enabled to give the picture which appears on this page, of a Guernsey cow, which, during the year between four and a half and five and a half years old, gave 14,591.7 pounds of milk that contained 954.76 pounds of butter fat, equivalent to 1,100 pounds of butter. This is the best record ever made by a cow anywhere, and the tests were carefully made, and the announcement is official and correct.

Of course the cow was fed for best results, and to give our readers an idea of how and what she was fed, we give the feed of two typical months, one a winter and the other a summer month.

January, 568 lbs. grain of the following mixture; 225 lbs., bran, 205



THE RECORD GUERNSEY COW

lbs. corn meal, 120 lbs. Daisy Dairy Feed, 175 lbs. oats, 86 lbs. oil meal, 80 lbs. Ajax Flakes, 126 lbs. Alfalfa meal, 15 lbs. Molassine meal, 36 lbs. gluten, 232 lbs. beet pulp.

July, 511.5 lbs. grain of the following mixture: 115 lbs. bran, 230 lbs. corn meal, 110 lbs. oats, 115 lbs. oil meal, 58 lbs. gluten, 120 lbs. Alfalfa meal, 10 lbs. cottonseed meal, 203 lbs. Daisy Dairy Feed, 14 lbs. beet pulp; and pasture.

The other corresponding months varied but slightly from the above rations.

One of the greatest troubles with the average farmer is that, when he reads of such feeding, he dismisses the subject with the thought that the whole thing is impracticable for the ordinary farmer. That may be true in a sense, but it is also true that much may be gained by a study even of extreme cases like the one given. There is seldom a cow on the farm or in the dairy herd that may not be made better, and if the farmer or the dairyman may make money by testing his cows and proving their capabilities, and by increasing their productiveness by more care and better feeding, it is in the line of thrift to do so.

FEED FOR SOWS

The scarcity and high price of hogs, and the high price of feed, makes a general inquiry as to the most profitable feed for hogs that are going through the winter, especially for brood sows. A good authority is on record in favor of chopped corn and wheat bran, half and half, as being the cheapest and best feed for brood sows. Of course, if it is inconvenient or expensive to have the corn ground, shelled corn and bran may be mixed and slightly wet so that the bran will stick to the corn. We need not say that such feed should be given in a trough so there can be no waste.

THE FUTURE SHEEP SUPPLY

Whatever may be said to the contrary, we agree with a contemporary, that the sheep that will supply the market from now on will have to come largely from the humid sections; that is, from the corn and hay country. The price of sheep and the lack of supply for some years now is conclusive evidence that consumption can no longer depend upon the semi-arid regions, where sheep can grow with little cost and less attention. That region has already failed, and there is little probability; in fact, there is practically no possibility, that it will ever again meet the demand.

This fact is really no matter of discouragement to consumers. It only means a shifting of the center of supply. There are many places in the wheat and corn belt, and even in the tobacco areas, where sheep could be made the most profitable product. A trip across northern Kentucky not long ago, showed us country well adapted to sheep growing, and not so well adapted to anything else. It is a hilly country; not of high and barren hills but low and comparatively fertile. They produce rich Kentucky grasses in abundance; and they would make ideal sheep pastures. The air is humid, of course, but the earth, so well drained, is about as dry as in the semi-arid West. The land not being well adapted to cultivation, cannot be said to be too valuable for cropping to justify its being given over to sheep.

We mention this Kentucky district merely as an example. There are many such sections on both sides of the Mississippi as well as of the Ohio, and there is no reason at all why sheep might not be grown extensively in these northern interior states.

Of course these regions cannot be populated with sheep all at once. In some of them a few sheep may be seen now, but in many of them that animal is entirely unknown as a farm dependence. People must learn to raise sheep, and the process is not a fast one. Experience is about the only school. Yet there is nothing in the business so intricate or complicated that any farmer need fear to undertake it. The main point is to not overdo the thing in the beginning. Commence with a small flock, and grow into it. Get a few of the best ewes obtainable, and be sure that they are young. Mate them with a good buck, so that, in this latitude, you may expect the lambs in March. Be prepared for their coming so as to insure them a comfortable welcome. The first few hours is the critical period. After they have a hearty meal as nature provides it, they are then as hardy as any young animal on the farm. Barring all accidents, there should be as many lambs grow to maturity as there are ewes. At least half of these should be ewe lambs and may be added to the flock for the next year. That is the way to grow into the business. The buck lambs may be sold on the market, and bring as much per head as the original ewes cost per head. Thus has the flock doubled in value, and the wool and manure are worth their keep. This has actually been our own experience on a level grain and grass farm in Southern Illinois. It ought to be beaten because of less costly pasturage on the hill lands described above.

The attention of the readers of this paper is called to the advertisement of the Besaw Chemical Co., Dept. B, Cleveland, Ohio, in another column of this paper.

They offer to give free to any one who is interested in proper feeding of stock, a sample package of their goods.

We believe this proposition is worthy of the consideration of any of our patrons who use or are inclined to use stock foods or tonics.



SAVE YOUR HOGS

If you saw a boa-constrictor squeezing you out of your profits, you would kill it in a hurry.

Worms are doing inside of your hogs just what this snake is doing outside—taking their lives slowly but surely, and they are much more deadly because they do their work where you cannot see them.

Iowa Worm Powder

will save your hogs. 90% of all hog losses are caused by intestinal worms, and could be prevented at the expense of a few cents.

Iowa Worm Powder kills all of the worms in the hog's stomach and bowels and expels them. It soothes the digestive organs and puts your hogs in shape to get the most out of their feed—to turn every ounce of feed into pork—to make more money for you.

FREE If you have never used Iowa Worm Powder, we will send you a $1.00 package if you will send us 25c for postage and packing and tell us how much stock you have on your place. Address

IOWA STOCK FOOD CO.
Dept. 7, Jefferson, Iowa.

$15.95 AND UPWARD



THIS OFFER IS NO CATCH. It is a solid, fair and square proposition to furnish a brand new, well made and well finished cream separator complete, subject to a **long trial** and **fully guaranteed**, for $15.95. It is different from anything that has ever before been offered. Skims **1 quart of milk a minute**, hot or cold, makes thick or thin cream and does it just as well as any higher priced machine. Any boy or girl can run it sitting down. The crank is only 5 inches long. Just think of that! The bowl is a sanitary marvel; **easily cleaned** and embodies all our latest improvements. Gears run in anti-friction bearings and thoroughly protected. Before you decide on a cream separator of any capacity whatever, obtain our $15.95 proposition.

THE LOW DOWN AMERICAN SEPARATOR

EXCELS ANY SEPARATOR IN THE WORLD

OUR LIBERAL TRIAL ENABLES YOU TO DEMONSTRATE THIS. While our prices for all capacities are astonishingly low, the quality is high. Our machines are up to date, well built and handsomely finished. Run easier, skim closer, have a simpler bowl with fewer parts than any other cream separator. Thousands of machines in use giving splendid satisfaction. **Write for our 1910 catalog.** We will send it free, postpaid. It is richly illustrated, shows the machine in detail and tells all about the **American Separator.** Our surprisingly **liberal long time trial** proposition, **generous terms of purchase** and the low prices quoted will astonish you. We are the oldest exclusive manufacturers of hand separators in America and the first to sell direct to the user. We cannot afford to sell an article that is not absolutely first class. You save agent's, dealer's and even catalog house's profits by dealing with us and at the same time obtain the finest and highest quality machine on the market. Our own (manufacturer's) guarantee protects you on every **American Separator.** We ship immediately. **Western orders filled from Western points.** Write us and get our great offer and handsome free catalog. ADDRESS,

AMERICAN SEPARATOR CO., Box 1149, BAINBRIDGE, N.Y.

BEST FEED FOR FATTENING HOGS

Old people often sigh for the old things, and they have our sympathy, but we are glad some things have passed and are passing away. One of them is the old custom of fattening hogs entirely on corn, and in an uncovered, bottomless pen, the corn thrown frequently in mud belly deep to the hogs. Good people may have done that in the past, for it was the usual way, but they were not good pork makers.

After providing a hard floor and comfortable quarters for the fattening hogs, the query now is, what feed will produce the best results at least cost? Scientifically speaking, the main object is the accumulation of fat. Corn is the logical feed for that. There are other feeds as good, perhaps, but the farmer has the corn of his own production, and in feeding it to his pork hogs he is but selling it in a different form. But even pork hogs, if young, and the rule now is to fatten young hogs, must grow as well as fatten, and the corn does not furnish protein enough for that. Hence it is pretty well established that the simplest and cheapest ration for fattening hogs, counting the results produced, is corn and shorts, or, better, corn meal and shorts—three parts corn and one part shorts. If the corn is fed in the ear the shorts should be mixed with water or skim milk into thick dough, not slop. If the corn is fed in the grain or meal, mix all together in what might be called dry dough.

We are writing, of course, for the average farmer, who feeds hogs in a small way, and it may not be considered applicable to large feed lots, or where hogs and cattle are fed together. Perhaps not, though the ration commends itself in the feeding of a hundred hogs as well as ten. It must be confessed that the large feed lot is generally a wasteful one, for it does not seem practical to take the same pains with a hundred hogs, or hogs and cattle combined, as one may do with a single hog, or five, or ten. But the best feeding, even on a large scale, is the one who takes the greatest pains and has the least waste. The lot should be at least on high ground and dry, and the feed should be given in such a way that the animals may best avail themselves of it. We believe in feeding in boxes or troughs. It is poor economy to feed anything at any time in the mud; and the bran or shorts ration as suggested, is good for growing cattle as well as for growing hogs. But cattle are expected to have a supplemental ration of fodder or hay, (clover or alfalfa, if possible), and in that they are expected to measurably get the needed protein; and the hogs get some protein from the rich droppings from the cattle. An occasional feed of pumpkins or succulent roots is good for both cattle and hogs.

These directions, of course, apply to winter feeding in the rainy regions. In summer both hogs and cattle we think should have access to pasture fields, though some feeders differ with us in this respect. Both hogs and cattle need salt in fattening, and both must have a regular supply of water.



THE MADE-TO-ORDER CREAM SEPARATOR

The dairy farmer who buys a 1910 De Laval Cream Separator gets a machine that is really made especially to order for him.

First: Because the 1910 De Laval is designed and constructed, without sacrificing any vital feature, to meet the comments and criticisms gathered from over 1,100,000 dairy farmers to whom De Laval machines have already been sold.

Second: Because if he should offer to pay ten times the ordinary price he couldn't secure a closer skimming, a greater money, time and labor saving, a more durable, a more convenient or an easier running separator than the 1910 De Laval.

Lastly: Because every feature of the 1910 De Laval machine from top to bottom is just as the best mechanical as well as the most practical engineering demands that it should be.

The De Laval is the made-to-order cream separator without the made-to-order price. The De Laval catalogue tells the whole story. Ask for a copy.

The De Laval Separator Co.

165-167 BROADWAY, NEW YORK — 173-177 WILLIAM ST., MONTREAL
42 E. MADISON ST., CHICAGO — 14 & 16 PRINCESS ST., WINNIPEG
DRUMM & SACRAMENTO STS., SAN FRANCISCO — 1016 WESTERN AVE., SEATTLE

THE SECRET OF RAPID DEVELOPMENT

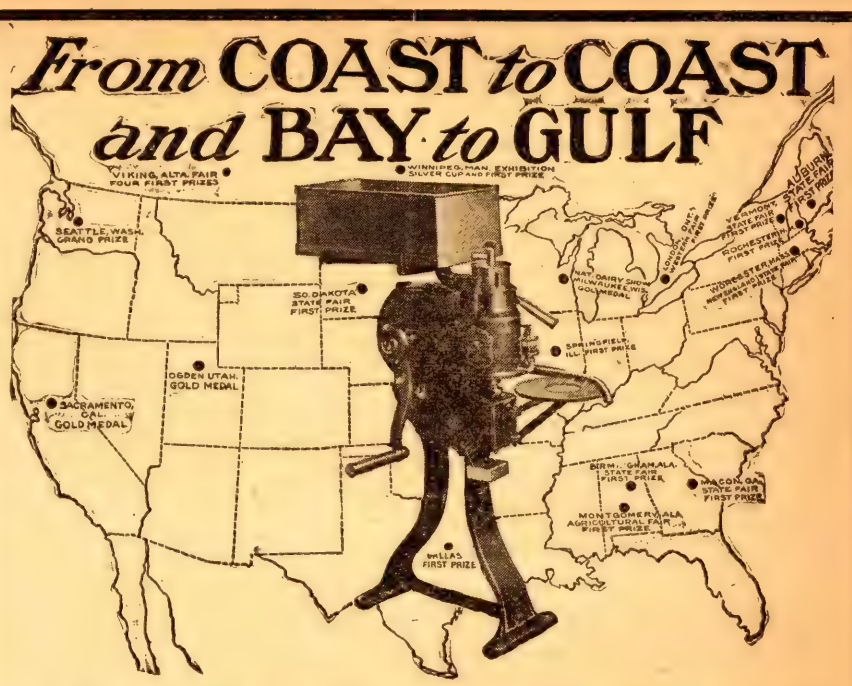
In Denmark there is, perhaps, more intelligent farm co-operation than in any other country. A bulletin recently issued by the Illinois experiment station, speaking of dairying in Denmark, says:

> The development of the breeds to such a high degree in twenty-five to thirty years has been due to the farmers' skill, intelligence and common sense in selecting and breeding for milk production alone, and the efficiency of these cows is a most striking example of what may be accomplished in a short time if good, systematic work is done and common sense and judgment are exercised. While many of the bulls used are young and untried, they are always individuals of merit and from cows with large records. Only the best heifers are raised, and with the record of the dam and the qualities of the sire known, their selection is comparatively simple, and better cows can be raised than can be bought on the open market. The price of cows is from $80 to $90, some of the best averaging as high as $100, so that it is also profitable from the financial standpoint to raise the young stock to replenish the herd. Heifers drop their first calf at from two to two and one-half years of age, and if they prove to be good producers are usually kept in the dairy until twelve years old, when they are fattened for beef. In fairly good condition cows bring 5 1-2 cents per pound.

We are unwilling to believe there is less of common sense and judgment among the farmers of the United States than there is among the farmers of Denmark, but a long habit of wise selection and careful breeding for a purpose, may have made those qualities more apparent. Certain it is that the cattle raisers of Denmark, and many other of the small countries of Europe excel us in rapid development of stock, whether for beef or the dairy, or in sheep or horses. In the matter of hogs, however, America may justly claim the palm. In the latter animal it is presumable Americans exercise "common sense and judgment." The hog comes on so quickly, and the breeding may be changed so rapidly, we suppose American impatience does not intervene. Common sense and judgment must be exercised in getting the best out of anything.

NECESSARY PRECAUTION

"Prisoner at the bar," said the portly, pompous and florid magistrate, "you are charged with stealing a pig, a very serious offense in this district. There has been a great deal of pig stealing, and I shall make an example of you, or none of us will be safe."—*London Daily News.*



From COAST to COAST and BAY to GULF

United States Separators

and their Products Win All Important Awards in 1909

IN keeping with its usual successes and accomplishments, the year 1909 has been another record-breaker for the United States Cream Separator. The few awards we mention are far from all. These are a few of the more important ones.

THE GRAND PRIZE (Highest Award) on Separators at the **ALASKA-YUKON-PACIFIC EXPOSITION, Seattle,** awarded the U. S. This was positively the highest award received by any separator.

Gold Medal (Highest Award) on Separators at the **Intermountain Four State Fair, Ogden, Utah,** awarded the U. S.

Butter made from U. S. Cream by Jas. H. Toomer, Morgan, Utah, also won **First Prize and Gold Medal** at this Fair.

Gold Medal (Highest Award) on Separators at the **Sacramento, Cal., State Fair,** was awarded the U. S. Separator.

First Prize (Highest Award) on Separators at the **Texas State Fair, Dallas,** awarded the U. S. Separator.

First Prize (Highest Award) on Separators at the **State Fair, Birmingham, Alabama,** awarded the U. S.

First Prize also **Standard Silver Cup** (valued at $100.00) was won by Mrs. Alex. Simpson, of Atwood, Ontario, at the **Winnipeg Industrial Exposition.** Mrs. Simpson has used a U. S. Separator for years and has always been a prize winner on butter.

First Prizes (Highest Awards) at the great **New England Fair, Worcester, Mass.,** were awarded to Harry C. Shepard, of Sturbridge, Mass., on Dairy Butter and Gloverdale Creamery, Tunbridge, Vt., on Creamery Butter. Both U. S. users.

THE GOLD MEDAL (Highest Award) at the **National Dairy Show** recently held at **Milwaukee, Wis.,** was awarded to J. Gilbert Hickcox, of Whitefish Bay, Wis., on Market Cream obtained by the U. S.

First Prize (Highest Award) at the **Illinois State Fair, Springfield,** on Dairy Print Butter, was won by Robert Moren, Morrison, Ill., a user of the U. S.

First Prize (Highest Award) at the **Vermont State Fair, White River Junction,** was awarded L. R. Dana, Pomfret, Vt., on Dairy Butter. Mr. Dana also uses a U. S. Separator.

First Prize (Highest Award) at the **Maine State Fair** on Dairy Tub Butter was won by Mrs. L. S. Brimmer, of Tilden, Me., user of a U. S. Separator.

First Prize (Highest Award) **South Dakota State Fair,** on Dairy Butter won by Mrs. M. F. Andrews, of Huron, a U. S. user.

First Prize (Highest Award) on Home Dairy Butter, **Western Fair,** London, Ontario, awarded Mrs. Alex Simpson, Atwood, Ont., a U. S. user.

Four First Prizes, Viking Agricultural Fair, Viking Alberta, Canada, Oct. 5th, 1909. Dairy Butter, Mrs. S. Stenberg swept all four First Prizes. **Another Great Victory for the United States.**

First Prize, Georgia State Fair, Macon, Ga., October 27th to November 6th, 1909. First Premium on both **Separator and Exhibit,** awarded to **United States Separator.**

Don't let the hypnotic statements of unscrupulous advertisers, claiming the earth, with no records to back their claims, influence you in the least.

If you keep two or more cows and handle their milk by any other means than with the U. S. Separator, we can show you the way to a **greater profit.** Ask for Catalogue No. 187 and we will attend to the rest.

Remember, **you can try a U. S. Separator before you pay one cent.** This does not mean the bogus free trial some advertisers offer, who require the cash deposited in the bank before they ship the goods. Agents in every dairy community will give **absolutely a free test,** and in case you buy, favorable terms. Could anything be more fair?

VERMONT FARM MACHINE CO.
INCORPORATED 1873
BELLOWS FALLS, VT., U. S. A.



They Can Hide Lameness

Our sensational new book **Horse Secrets,** exposes some surprising trickery — the fakes of crooked traders and dealers.

How lameness may be hidden until after a sale is made.

How "heavers" are "doctored"—how spavins, etc., are hidden—how old horses are "doped"—how a horse's teeth are "bishoped" to hide his age—these and many other frauds are laid bare.

The book gives a lot of other valuable information—the secret methods of horse breakers and trainers—secrets about raising and feeding, etc.

Farm Journal's Great Offer

This book is an example of the valuable information printed every month in *Farm Journal*—about horses—stock of all kinds—about farming—gardening—poultry raising, etc. *Farm Journal* is now read by over 600,000 farmers. To get you on our subscription list, we'll send you *Farm Journal* every month for 5 years for only $1.00, and give you **Horse Secrets** free. Also a splendid 1910 Almanac free, if your answer is received within 10 days.

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GET-A HARROWING ATTACHMENT FREE by purchasing your farm implements direct from us. Save middlemen's profits and get guaranteed implements—money back if not the best. Walking Plows, Sulky and Gang Plows, Cultivators, Disc Harrows, Harrowing Attachments. We are not a mail order house. We make and guarantee every implement. Write for Free Book and particulars of Free Attachment Offer.



We pay the Freight

American Plow Co., 2329 Fair Oaks Ave., Madison, Wis.

STUMP PULLER

Warranted the most practical machine made. One man can lift 20 tons. 3 styles. 10 sizes. $25 and up. Screw, Cable or Hand Power. We make cheapest **TILE DITCHER** and the best **Corn Harvester** ever sold. One horse cuts 2 rows. One man. No twine. On trial. Agents wanted. Our new 64-page Catalog FREE. Write Today.

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Heaves Cured

POSITIVELY and PERMANENTLY

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Money refunded if we fail. No other treatment like ours. A Positive Guarantee to Every Customer. **Write Us At Once.**

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Send for Booklet Horse Troubles

DEATH TO HEAVES

Newton's Heave, Cough & Distemper Cure Guaranteed or Money Back. $1.00 per can, at dealers, or Express Paid. 18 Yrs' Sale.

THE NEWTON REMEDY CO. Toledo, Ohio.

Farmers Sons Wanted with knowledge of farm stock and fair education to work in an office; **$60** a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. **The Veterinary Science Association, Dept. 12, London, Canada.**



TRAPPERS MAKE MORE MONEY

Copy of HUNTER-TRADER-TRAPPER a monthly magazine, 160 or more pages about steel traps, snares, deadfalls, trapping secrets, raw furs, dogs, big game hunting, etc., and a 64 page booklet containing GAME LAWS, Camping Hints, etc., all for 10 cents.

A. R. HARDING PUB. CO., Box 239, Columbus, Ohio



Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.

Miners Supply Co. Dept 2 **Palmyra, Pa**

MEN WANTED QUICKLY By big Chicago mail order house to distribute catalogues, advertise, $21 weekly; liberal expense allowance. **MANAGER, 1218 State Street, Chicago.**

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the

Farmers Society of Equity, at .....

....., ... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course.

NAME .....

ADDRESS .....

THE COLTS THIS WINTER

Colts, either horse or mule, but particularly the latter, need plenty of exercise, and they must have it if they do well. The bad weather of winter must not deprive them of exercise. Of course they must have dry and comfortable housing, but, except in the worst storms, they should run in the open during the day. If they can have an open field, or a large lot, far preferably a woods lot, near the barn, to run in, it is an ideal arrangement. But we may remark parenthetically, that the fencing of such field or lot is a matter of prime consideration. There must be no low or weak place in the fence to tempt them, nor must there be any wires that could do them harm. Their restless disposition will induce them to "try" everything, and if they be not injured in their bodies, they are easily ruined in their habits.

Colts must have feed rich in protein—they must increase in size rather than lay on fat. Corn alone must not be depended upon, nor must it be wholly done without. Alfalfa hay, where it can be had at a reasonable price, is a feed well adapted to growing animals. So is properly cured, free from mold, clover hay, fed in regular and not too large quantities. Corn fodder is good for colts to pick over during the day, not perhaps as a feed ration, but as "so much extra." But in the general farming belt of the country, timothy hay is, and most likely will remain, the principal winter feed for colts and horses, supplemented with the usual feeds of grain. Clover and timothy mixed is a better feed than either alone, and if the grain feed be corn, chop and wheat bran mixed, an ideal feed is provided. We have not mentioned oats, but that makes an excellent and just about complete grain feed. It must not be forgotten that colts should have plenty of water, and if it could be above the temperature of ice, it is better for the animals. And that is true of all stock as well as colts.

RAISE YOUR CALVES WITHOUT MILK

Letters or postals addressed to Blatchford's Calf Meal Factory, Waukegan, Ill., and mentioning this paper, will procure a valuable pamphlet for the farmer entitled "How to Raise Calves Cheaply and Successfully Without Milk" and every farmer should have one. It tells how to raise 3 calves at the cost of 1, avoids scours and keeps calves healthy and fat. Tells how to veal calves at about ½ the usual cost, how to save the milk and in fact how to make more money out of calves than you ever thought possible. Write for it today.

A HELPFUL CONDIMENT

Some farmers still feed their fattening hogs on corn alone. In such case the alimentation is very likely to become impaired and the full value of the corn is not secured. An occasional feed of charcoal, slack from stone coal, small bits of stone coal, or coal or wood ashes, is an excellent help. It serves as a condiment, is eagerly eaten, and greatly improves the digestion and alimentation. If the hogs have access to these things, or any of them, all the time, they will not take more than is good for them; if not, too much should not be given at a time until the need for them is measurably supplied, else the hogs may take too much. Wood ashes, with the usual small coals in them, is good to be placed within the reach of hogs at any time.

GIVE THE HORSES ROOM

Never deny the horse an opportunity for exercise. There is not an animal on the farm that suffers more for lack of exercise than the horse. During winter, when the team is not at work, many farmers think they are giving those faithful animals the best treatment when they keep them closely housed and see that they have plenty of feed and water regularly. During bad storms and blizzards, horses should be housed, but at other times it is better that they should have the run of a large lot or a pasture field, at least during the day. The exercise they thus get enables them to make better use of their feed, and that in turn gives them greater power to withstand the inclement weather.

WHAT PROF. BAILEY SAYS

Professor L. H. Bailey, of Cornell Agricultural College, in a recent letter said: "The Double Action Cutaway Harrow has been satisfactory. I use it almost continuously on our hard clay land with good results."

The Double Action Cutaway Harrow referred to by Prof. Bailey is one of the most wonderful farm tools ever invented. It takes the place of both plow and harrow. The jointed pole, with which it is equipped, takes all the load from the horses' neck. With a medium-weight team of horses a man can cut 28 to 30 acres of land a day, or double cut 10 acres in one day. Full description of this wonderful tool, together with other necessary tools for farmers' use, will be found in their free booklet. Ask for it from the Cutaway Harrow Co., 863 Main St., Higganum, Conn.

THE LID IS OFF

Cream Separator Ad in This Issue That Smashes the Record for Liberality.

Of all the wide open, whole hearted offers ever made by any firm, the ad in this issue about the Economy Cream Separator of Sears, Roebuck and Co. is certainly the end of the limit.

We have seen some pretty generous offers in our time, but this one has everything we have ever seen completely backed off the map.

This firm doesn't seem to be content with having sold something over 200,000 of their Economy Chief Cream Separators within the last few years. They seem determined to have one of their machines on every farm in the country that possesses anything in the shape of a cow.

Talk about having confidence in goods—any firm that can make such an offer as this must be mighty certain that no other separator on earth can hold a candle to theirs in either close skimming, efficiency or endurance.

P. S.—Sears, Roebuck's ad man says that if after reading this ad you can think of anything that will make this offer any more "wide open" than it is, please write him about it and he will put it in the next ad.



Cured Six Ringbones

1011 Kaufman Ave., Dubuque, Ia., Feb. 11, 1909.
Dr. B. J. Kendall Co., Enosburg Falls, Vt.
Gentlemen:—Please send me your book called "Treatise on the Horse." I have used your Spavin Cure for years. At present I am doctoring a horse that has a Ringbone. **This will make the sixth one we have cured with your medicine. It has given the best of satisfaction in all cases.**
Yours truly, Frank Meyer.

Kendall's Spavin Cure

for 40 years has led the medical world in the treatment of **Spavin, Ringbone, Curb, Splint, Swellings, Sprains** and **Lameness** of all kinds. It is the one remedy that thousands of experienced horsemen have come to depend upon absolutely. Never causes blisters, scars or white hair spots. As good for man as for the horse. Keep it on hand for emergencies. **$1 a bottle, 6 for $5.** Buy of your druggist, and ask for "A Treatise on the Horse"—a valuable free book, or address

Dr. B. J. Kendall Co., Enosburg Falls, Vt.

For BOTH WELL and SORE Horses



Sold by over 5,000 Harness Dealers—or Direct if your dealer hasn't them yet.

Keep Your Horses' Shoulders Well

Valuable horses' time, work, worry and cruelty can just as well be saved by you now if you'll just investigate the practical reasons why over 100,000 Whipple Humane Horse Collars are in permanent use to **keep** over 100,000 horses' shoulders well. Write us **before** you buy your spring harness. Satisfy yourself on the experience of over 100,000 enthusiastic users—prominent veterinarians and agricultural college endorsements.

Find out the many good reasons why over 5,000 leading harness dealers carry

Over 100,000 In Use

Whipple Humane Horse Collars

No Sweat Pads Needed

No cruel sweat pads needed. No sweat-pad expense. Keeps your horses' shoulders well. Cure sorest ones **while working.** Remember that. Fit any horse. No pressure on shoulder-blade or bones where sores come. No pressure on top or on windpipe. 45 square inches pulling surface on each shoulder, properly distributed, while there is only 10 square inches on other collars. Read endorsement here of thousands received by us and all you'll want to read in Free Book.

University of Illinois, Urbana, Ill., May 22, 1909.

Humane Horse Collar Co., Chicago Heights, Ill., and Omaha, Neb., Gentlemen:—I am today requesting the purchasing agent to send you a requisition for a pair of your Humane Horse Collars No. 2, stationary. We have used a pair of your Humane Collars for a year and a half with excellent results. Trusting you will be able to ship promptly without delay, I beg to remain, yours very truly *(signed)*, R. C. Obrecht, Associate in Horse Husbandry.

Write today and save your own time and your horses' time and valable horseflesh when you need it most. Don't buy **any** style collars until you investigate the Whipple Humane —in your own interest.

Get Our Horse-Collar BOOK FREE

ADDRESS OUR NEAREST FACTORY

HUMANE HORSE COLLAR CO.
Factory, 1998 S. 13th St., Omaha, Neb.
Factory, 1649 Lowe St., Chicago Heights, Ill.

Send Me Your Free Book, "Horse Collar Sense," and Testimonials Telling How I Can Protect or Cure My Horses from All Collar Troubles with the Whipple Humane Horse Collar. Also Tell Me the Price of One Set.

Name.....
Town.....
State.....

Please fill this in also—

Harness Dealer's Name.....
Town.....
State.....

Please tear out this Free Book Coupon today and send your name and your favorite harness dealer's name to us. Address nearest factory.

HUMANE HORSE COLLAR CO.

1998 SOUTH 13TH ST., OMAHA, NEB. 1649 LOWE ST., CHICAGO HEIGHTS, ILL.

RATHER QUEER

It is queer that the night falls, but never breaks; and that the day breaks but never falls.

It is queer that a man chops a tree down and then chops it up.

It is queer that a woman does not die when she dyes.

It is queer that a man may lie and not lie.

It is queer that a boy may stump his toe when there is no stump anywhere near.

It is queer that persons pitch in after they fall out.

It is queer that when a girl chases a sheep he is very apt to turn to butter (butt her).

A Creamery and Cold Storage Plant Combined

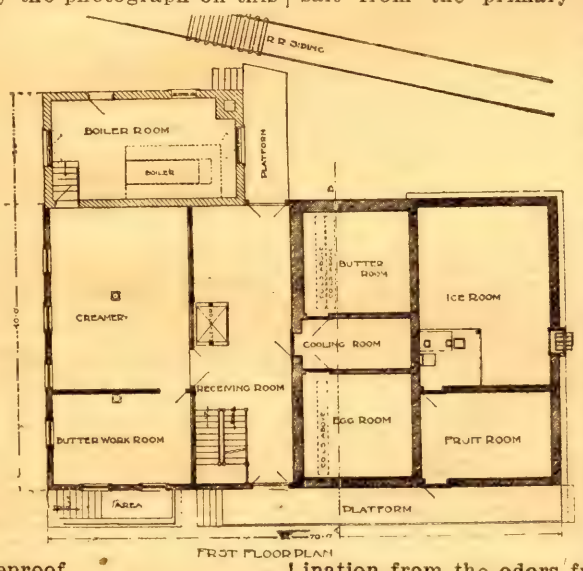
UP in the Northern part of Minnesota, well toward the Canadian line, is the City of Bemidji. It is only within a few years that it has been known as anything more than a lumber camp, but with the coming of the railroads the town aspires to modern improvements, and being beautifully situated on a fine lake, it will doubtless make rapid growth in the future.

Bemidji has something which is uncommon elsewhere, a creamery operated in connection with a cold storage plant, and this plant is one of the best arranged and best equipped little plants to be found anywhere. It is operated by Melges Bros. Co., who do a creamery and produce business, a butter and egg business, and are jobbers in fruits, candies, &c. Their milk and cream is, of course, shipped in from Central Minnesota.



Melges Bros. Co., Bemidji, Minn., Creamery and Cold Storage.

As shown by the photograph on this page, the main building is of frame and is full two stories and basement. The foundation is of concrete and the boiler house and engine room are of brick. This latter feature is one of the things which are very desirable in a plant of this character because of danger from fire. The boiler house is practically fireproof.



FIRST FLOOR PLAN

By referring to the main floor plan it will be noted that the railroad siding comes in conveniently to the rear of the building, a platform extending out so as to give access to cars on a level with the main floor. The creamery and butter workroom occupy the end of the building adjacent to boiler room. Between the creamery and cold storage department is a receiving room opening to wagon platform on front as shown in the photograph and to the rear on the car platform. This receiving room, therefore, gives access to all departments of the building and stairs lead up to the office on second floor, and down to storage rooms in basement. An elevator also serves the basement and second floor and is conveniently placed in the center of the receiving room. The cold storage rooms shown in plan consist of a butter room, an egg room and a cooling room which forms a vestibule to the two storage rooms. The butter room is cooled by pipe coils hung from the ceiling as noted on floor plan. A temperature of 15dF. was guaranteed for this room but temperatures as low as 8d. F. to 10d. F. can be maintained if required. The egg room cooled in the same way is carried at 29dF. to 30dF. The cooling room is cooled by the drips or melted ice and salt from the primary tanks above. The Gravity Brine System and details of same were fully explained in the November issue. Another special feature of this plant is the fruit storage room which opens side to platform only and not to the receiving room or any portion of the butter and egg handling space. This is to avoid possible contamination from the odors from fruit getting into butter and egg storage space.

The ice room shown in plan extends from the basement floor up to the attic and an ice crusher and ice elevator driven by electric motor crush and elevate the ice to primary tanks situated on the second floor directly above the butter and egg room.

The complete building, insulation and equipment was designed by Madison Cooper Co., Refrigerating Engineers and Architects, Watertown, N. Y.

APHORISMS.

From the Harvester World—

Business is or should be and will be cooperation—not robbery.

He that knows, and knows that he knows is wise—watch him.

When you are right you can afford to keep your temper—when you are wrong you can't afford to lose it.

Cultivate your customers—don't harrow them.

Don't be afraid to change a man's mind—just be careful.

Better to die on third than be alive and locking on the bench.

The time to do your worrying is when the thing is over.

The only dealer who can succeed with a long face is an undertaker.

When you talk business—don't think you are running a marathon.

Almost anybody is competent to teach a sick doctor.

People who have run the limit at credit stores become cash customers of cash stores.

If you think you can't sell—so will your customer.

Keep your face turned toward the sun if you do not wish to see the shadows.

Strive to be a salesman, for when you've reached that goal you've arrived somewhere.

Remember that the successful man thinks out his work and works out his thoughts.

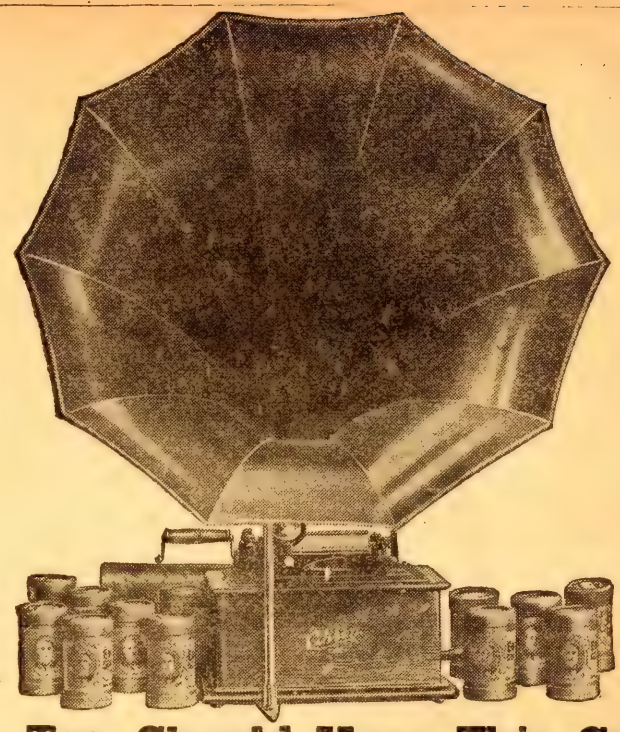
Stick to your guns until you book the order. The battle-field is not the only place where heroism is to be found.

Don't wait for some prophet to tell you that your own advancement will depend largely upon how much you advance the interests of the company.

Truth sometimes loses a battle but it never lost a war.

The season is fast approaching when the average country boy gets not only a great deal of pleasure but considerable profit out of the trapping of furs. Furs are going to be extremely high this winter. We have this statement from M. Sabel Sons, Louisville, Ky., dealers in furs and hides. This firm issues a weekly price list covering furs and hides which they will be pleased to send to anyone mentioning this paper.

Tell them you saw the ad in Up-to-Date Farming



You, Too, Should Have This Grand Edison Phonograph on a

FREE LOAN

Yes, an absolutely free loan, the world's greatest phonograph, our new No. 10 model, 1910 outfit, now offered on a free loan.

This outfit includes the great Fireside Edison machine, the new machine on which Mr. Edison has been working for several years—the climax of this inventor's skill. It eclipses all former phonographs, it has improvements all its own never before seen in a talking machine. You must get one of these phonographs on a free loan to learn what Mr. Edison has accomplished in perfecting the greatest, the most wonderful talking machine ever made.

When we say free loan, we mean free loan. We will ship you a machine without a cent down, and without any C.O.D. payment to us, so you can take it right to your home and play the music there. You can hear vaudeville sketches, minstrel shows, comic operas, grand operas, waltzes, the old-fashioned hymns, all kinds of comic and serious music and songs right in your own home. All this on a free loan. Then when you are through with the free loan, simply return the phonograph outfit to us at our expense.

Is there a catch in this? No, there is no catch; but I will tell you my reason for this extra liberal offer. For I have a business reason, aside from my desire to see the great, new invention known among the public. I feel that when I ship you a phonograph on a free loan, you will help me advertise it, by letting your friends and neighbors hear the great concert. I do not ask you to sell any machines for me, in fact, we do not have any agents. But I know that when your friends and neighbors hear the machine, someone somewhere will want to buy one of these phonographs; perhaps several people will want to buy. You, yourself, can keep it if you want to on terms of $2.00 a month, and absolutely at the rock-bottom price, the lowest possible price at which this outfit can be sold anywhere. But I do not ask you to buy it, I simply want you to get it on a free loan, and help me advertise in that way. It is the quickest and easiest method of introduction that I can find for this great, new phonograph.

Don't you want your wife, and your children, and all the family to have the benefit of these grand concerts? Remember, we charge you nothing. We put you under no obligations at all to help us in any sales. We just want you to hear the phonograph right in your own home and have a few of your neighbors and friends hear it, too. Your children will appreciate the trouble you take in ordering the phonograph on a free loan, and we will ask nothing of you.



Mr. Edison Says:

"I want to see a Phonograph in every American Home"

The phonograph is his pet and hobby, and it is true that there should be no home in the country without this grand and magnificent entertainer. At any rate, you ought to seize this opportunity to have a phonograph free for awhile and hear all the music at least a few times before shipping back the phonograph.

And remember, please, you can't imagine what a talking machine is like, what the latest improvements mean, until you have heard our outfit No. 10. It is so far superior to the ordinary talking machine you may have heard in your town that there is absolutely no comparison. Convince yourself on this free loan offer.

NOW Write For the Free Catalog!



I want to send you absolutely free our great new Edison catalog, containing the list of records and a full description of the new Fireside Machine. I ask you as a favor to me to read this catalog anyway, even if you should decide that you would not want a free loan. After seeing the catalog, you will perhaps select a list of records you want on the free loan, then you will want a free loan. But anyway let me send you this catalog today, absolutely free, prepaid, without any charge. I want you to see what Mr. Edison has accomplished in talking machines. I want you to appreciate what the talking machine means to the farm home and the village home.

Sign the Coupon

with your name and address—no letter necessary; or, if you want, you may send a postal card or letter instead of the coupon—either way. But let me have your name and address today. Will you write at once?

FREDERICK BABSON
Edison Phonograph Distributers
Dept. 3651 Edison Block, Chicago
CANADIAN OFFICE:
355 Portage Ave.
WINNIPEG,
CANADA

Frederick Babson, Edison Phonograph Distributers—Dept. 3651—Edison Block, Chicago.
Canadian Office: 355 Portage Avenue, Winnipeg, Canada.

Without any obligations on me, please send your Great Edison Catalog free and prepaid and your Free Loan Phonograph Trial Offer.

NAME.....

ADDRESS.....

Just fill in this coupon; no letter is necessary, and we will send you the great FREE LOAN.

WHAT IS YOUR POULTRY WORTH?

It has a value, but that value is determined by and dependent upon health conditions. Best and surest poultry health can be obtained and maintained by using

GERMOZONE



A preventive and cure for Roup and Cholera unequaled in efficiency. Germozone is a germicide, a cure and preventive of Cholera and Roup. It is a system builder. It goes to the seat of trouble and usually effects a permanent cure.

Given in the drinking water *twice a week* it cures disease, prevents contagion and keeps the fowls in a healthy, vigorous condition. Prepared either in tablet or liquid form, 50c. We pay postage on tablets.

Germozone is the best health insurance you can have for your poultry. Cost is small and it is sold on *an absolute guarantee.*

Germozone is not an experiment. It has been doing for years for Mr. Lee just what he is telling it will do for you.



LEE'S EGG MAKER

is not a medicine. It is a scientific food product compounded by Mr. Lee, who is a *poultryman* of 25 years' experience. If it were not for the success claimed for it Mr. Lee would never have offered it to the public. That is one broad, sweeping assurance any poultryman has who buys Lee products—they know his own flock has demonstrated their worth to him.

READ THIS GUARANTEE

We guarantee that no matter what you are feeding, and regardless of the number of eggs you are getting at the present time, if Lee's Egg Maker is added to the daily ration—made a portion of it—the increased egg yield resulting therefrom will more than pay the cost of the Egg Maker, cost of labor required, and 100 per cent profit on said labor.

25c, 50c, $2 sizes. The smallest size is large enough to prove you ought to buy more. A larger size would do it quicker—and you would get a little more in proportion to the price.

Write for free copy Lee's "Chicken Talk," written by Geo. H. Lee himself. Also free Mandy Lee Incubator catalog. Yours by first mail.

GEO. H. LEE CO.
1121 Harney St., Omaha, Neb.

General Agents in ALL large cities. Write for name of one nearest you.

BEGIN NOW

Now is the time to plan your poultry work for this season. If you need a new incubator or brooder please write us. We will save you money. The materials in our machines this season we bought before the present high prices. We do by machinery what others do by hand. Result—Lower price to you. Drop us a postal for our catalog.



The finest Incubator made

GEO. ERTEL CO.
189 Kentucky St. QUINCY, ILL.

SHOEMAKER'S BOOK on POULTRY



and Almanac for 1910 has 224 pages with many colored plates of fowls true to life. It tells all about chickens, their prices, their care, diseases and remedies. All about Incubators, their prices and their operation. All about poultry houses and how to build them. It's an encyclopedia of chickendom. You need it. Only 15c.
C. C. SHOEMAKER, Box 828 Freeport, Ill.

GREIDER'S FINE CATALOGUE



of pure bred poultry, for 1910, 200 pages, handsomely illustrated, 150 engravings, photos, 30 fine colored plates, describes 65 leading varieties of land and waterfowls, gives low prices of stock, eggs, incubators, poultry supplies, etc. Calendar for each month. How to care for poultry and all details. Only 10 cents. Send to-day
B. H. GREIDER, Box 46, Rheems, Pa.



48 BREEDS Fine pure bred chickens, ducks, geese and turkeys. Northern raised, hardy and very beautiful. Fowls and eggs at low prices. America's greatest poultry farm. Send 4 cents for fine 80-page 16th Annual Poultry Book.
R. F. NEUBERT, Box 818, Mankato, Minn.

WHITE PLYMOUTH ROCKS
"BEST EVER"
J.B. HOWE. FORTVILLE. IND.

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the

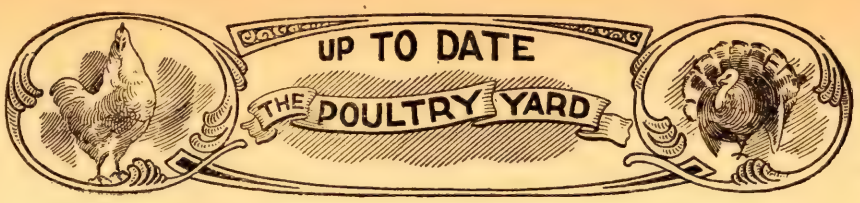
Farmers Society of Equity, at .....

..... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course.

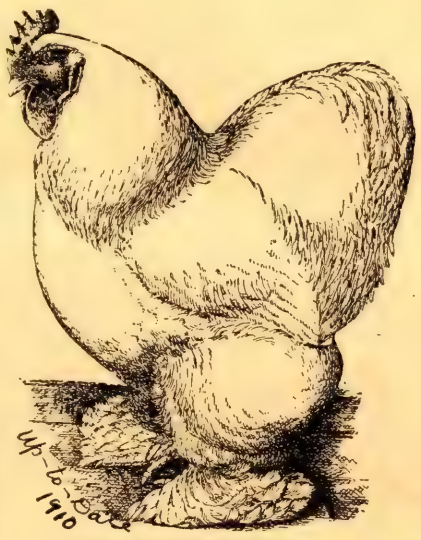
NAME .....

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BANTAM FOWLS

Who does not remember the sprightly little Bantam, the "Banties" of our childhood days? These pretty little fowls are more numerous in kind, and more general in production than the average farmer supposes. They have always been popular, but more so with the children as beautiful pets than with the grown ups as a source of profit. They are raised for profit, however, in many places, and to no little extent. It must be admitted though that their profitableness is in their beauty and novelty as pets rather than in their usefulness. The novelty feature is well shown in the following illustration, for which we are indebted to an old number of the Fanciers' Gazette.



WHITE COCHIN BANTAM MALE.

Bantams may be divided into two classes—real Bantams, or variety Bantams, as fanciers call them, and Game Bantams. There are six recognized varieties of the Games, and the real or variety Bantams there are fifteen or more. Strange as it may seem to the farm poultry raiser, the Game Bantams are the most profitable. They are bred principally in the large towns and cities, and are esteemed by sportsmen. Their smallness, sprightliness, and fighting qualities make them great favorites. Of the varieties of Game Bantams we may name the Black Breasted Reds, the Piles, the Duck Wings, the Whites, and the Malays.

The other class of Bantams are most suited to the general breeder. The list of these is a long one, that is constantly increasing; so that it is entirely possible that sometime most of the standard varieties of poultry may have its miniature prototype.

One of the prettiest of all the Bantams is the Pekin or Cochin, of which our illustration is a representative. The Buffs, when well colored, are, if possible, more beautiful than the Whites. The combination of rich buff color and good shape with the heavy feathering is very effective. Black Bantams are also growing in popularity.

The greatest oddity of all, though, is the Japanese Bantam. It partakes of the oddities of the people and country from which it gets its name, where poultry breeding, as almost everything else, seems to be conducted on the strangest lines. They have very short legs, which gives them a dumpy appearance. The wings hang down until the tips touch the ground. The tail is very full and is carried so that the sickles touch the head, which is thrown far backwards. The head is large for the size of the fowl, and carries a large single comb, a combination which gives a most peculiar appearance.

Breeders of Bantams may also be placed in two classes—those who wish to keep some kind of fowls, but who have neither room nor opportunities for keeping the larger varieties; and those who, with plenty of room to breed any variety, adopt the Bantam as a favorite, and breed for both pleasure and profit. The pen room of a Bantam breeder, if well kept, is a place of intense enjoyment for those who are fond of fowls.

UTILIZING THE WASTE PLACES

If the waste places on the farm could be fenced they would afford valuable pasture, and in the woods pasture or other fields is often found a spot of ground that would be profitable to use for a potato lot but is not available because too much time is required to fence in. By using the Up-to-Date Movable Fence panel quick action will be given in fencing in these lots. The movable panels are easily made and much old material found on the farms can be used in making them. When set up these panels will resist winds that tear own the old time rail fence.

Up-to-Date Movable Fence is offered by the inventor on a free trial and on a guarantee that it will be satisfactory. Plans for building the movable fence panels will be sent on application. Address the Mad River Fence Co., West Liberty, O.

Where Beauty Is

There is beauty on the mountain,
In the morning's early gleam;
There is beauty in the fountain,
By the moonlight's silvery beam.
But more beautiful the sunshine
And the smiles of friends we meet,
And the dewy eye so tender
Which can make our parting sweet.

There is music in the measure
Of the skylark's morning lay,
When he hails with eager pleasure,
Hails the rising orb of day.
But my ear would rather listen
To the human voice benign,
When it comes from dearest loved ones,
Then its tones are most divine.

There is beauty in true friendship,
Like the sweetness of the flowers,
Truth and honor are true beauty,
Fresh'ning as the summer showers,
On the mountain, in the valley,
There is beauty all around,
In each life, whate'er its station,
May true beauty there be found.

DON'T FORGET THE WATER

A very large percentage of an egg is water, and the very best of feed cannot be converted into an egg without plenty of water. And ice water is not the best for laying hens. Water slightly warm, "with the chill off," as we say, will be relished much more by the fowls, and it is best suited to the requirements of the bird, both in sustaining comfort and health, and in making eggs.

Be sure that the water is not filthy, and that it is not given in filthy vessels. Chickens will eat and drink nearly anything, hence it has brown into a custom to give them what nothing else will have. But poultry raisers have grown out of that. Filthy water and putrid meat is as harmful to poultry as to any other living thing.

Sharpen YOUR Tools At MY EXPENSE!



Run by Foot-Power—Both Hands Free

I will send you a **Harman Special Carborundum Farm Tool Grinder** with seven **Genuine Carborundum Attachments**—seven machines in one—right to your farm for an absolutely free trial lasting ten days. Carborundum positively will not draw the temper from steel and will not glaze over.

I don't want you to send me any money—not a cent.

Just get the outfit, use it for ten days. Sharpen your sickle, plow shares, cultivator blades, axes—anything that is dull—then if you wish, return it to me at my expense.

Why I Make This Offer

You know how much more work can be done and how much longer your tools last when they are sharp and bright. I want to prove to you that you can easily keep all your tools in good condition with this wonderful outfit which I will send you free.

7 Machines in One

1. Rough Grinder
2. Fine Grinder
3. Saw Gummer
4. Sickle Grinder
5. Rust Remover
6. Polishing Wheel
7. Hone

Genuine Carborundum (DIAMOND) Grinder

---Not an Emery Wheel

And Carborundum is the most wonderful abrasive in the world, even harder than the diamond. Carborundum is really manufactured diamonds, for it was in attempting to manufacture diamonds that carborundum was discovered. It is just as much harder than emery as emery is harder than ordinary chalk. It cuts through the hardest steel more easily than the finest emery wheel will cut through soft copper.

Saves Time, Effort, Money

You can do the same work in two minutes on a Carborundum Grinding Wheel that would take you at least half an hour on a grindstone, and do it better. Carborundum will grind 25 times faster than the grindstone and 8 times faster than emery. One man can operate like a bicycle. Wheels make 4,000 revolutions a minute. Send the Free Coupon for free trial request blank and our free literature.

We want to prove these things to you and at our expense. See for yourself how the Harman Grinder will grind and sharpen every tool on your farm. Send the coupon for free circulars. Mail the coupon today.

Lasting, Binding Guarantee

We give a lasting, binding guarantee with every tool grinder. Carborundum wheels will not wear in spots or become lopsided or glaze over. Many carborundum wheels have been in use for 10 years and show hardly a bit of wear. And they will positively not draw the temper of the finest steel—remember that.

Send This Free Coupon

Send the Coupon today and get our Free Grinding Literature explaining all about Carborundum, the newest and most wonderful abrasive known—the abrasive which is really manufactured diamonds. Don't wait a minute. Sharpen every tool on your place positively free. We let you keep the machine for 10 days, and then if you wish send it back at our expense. Send the Free Coupon now for Free Trial Request Blank. There is no obligation.

HARMAN SUPPLY CO.
160 HARRISON ST. DEPT. 3651 CHICAGO, ILLINOIS

HARMAN COAL COMPANY, 160 HARRISON STREET, DEPT 3651, CHICAGO.
Please send me free, prepaid, literature on Carborundum Farm Tool Grinder. This places me under no obligations.
Name.....
Town.....
State.....

PFILE'S CATALOG



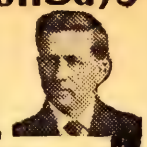
gives prices of 59 of the leading varieties of land and water fowls. Farm raised stock for sale; eggs in season. Send 2c for my Large 1910 Poultry Book.
HENRY PFILE, Dept. U., Freeport, Ill.

Sam Thompson Says

Try My New Fairfield

Incubator

2 Hatches FREE



I'LL SHIP IT for you to try in your own home, two hatches free. I just want to prove to you at my own risk that the Fairfield is the world's best hatcher. That's what I call it. Thousands of my satisfied customers back me up in this strong claim. There is no better machine at any price. It's built right and will give you the biggest hatches and healthiest and strongest chicks

Get My New Catalog and My Special Free Trial Offer Now

THE FAIRFIELD is made out of the best California Redwood lumber. It's patented heat system gives an even uniform temperature, which means big hatches. The regulator works perfectly. Big, roomy nursery and egg chamber, double doors. Clear top, fine finish. Write me today without fail for my new catalog and great offer.

Sam Thompson, Pres., Nebraska Incubator Co.
518 Main St., ***Fairfield, Neb.***



Know My Incubator—Know My PLAN.

My plan is so liberal that you will enjoy dealing with me, and my "QUEEN" incubator is such a good, substantial money maker for your farm that you and I will both be more than satisfied to become poultry friends.



I Pay the Freight.

Just drop me a line, so I can explain my proposition and let you see pictures and letters of my farm friends who use "QUEEN" Incubators. Please do it to-day. I am still including one of my handy Poultry Record Books with my Catalog. It enables you to keep exact figures on hatching and to know how much you are making. I want you to know these facts when you try out a "QUEEN," because it will prove conclusively that you are getting all the poultry profit that can be made.

Pick out from my catalog the size you want and I will just fix you up to your entire satisfaction—make you a low price, a long time guarantee and allow you an extended trial. Write me to-day or you may forget it.

Wickstrum, The Queen Incubator Man,
Box 19 , Lincoln, Neb.

A Town Lot is Big Enough

Poultry raising possibilities were never better. Profitable on small or large scale. Geo. H. Lee knows. He started in a small way. He now has 3000 laying hens. He invented the Mandy Lee incubator, the Mandy Lee Brooder, and all the appliances he could not buy. He experimented with his own money, not customers'. The



Mandy Lee Incubator

was offered to the poultry public when perfected, not before. Inexperienced can start with Lee's twenty years' successful work. Lee's "Chicken Talk," a book written by Mr. Lee himself, and his Incubator and Brooder catalogue are ready to mail. Both free. Send for them to-day. **There is no poultrymen's need omitted from this catalog. It is a complete showing of the things that made Mr. Lee a successful poultry raiser.**

GEO. H. LEE CO., 1121 Harney St., Omaha, Neb.

***Pratts* Roup Cure**



Prevents as well as cures. A small quantity in the drinking water—and you'll not be troubled with roup. A 25c. box makes 15 gallons. If your dealer hasn't it, sent prepaid on receipt of price.

***Pratts* Poultry Regulator**

makes poultry pay. Eggs all winter. Healthy fowls. Order from your dealer, or from us if he doesn't have Pratts. 12-lb. bag, **$1.25.**

Both guaranteed: *Your money back if Pratts doesn't make good.*

A new book, Pratts Poultry Wrinkles, sent FREE. Write for it.

Pratt Food Co., Dept. W Phila.



125 Egg Incubator and Brooder Both For $10

If ordered together we send both for **$10** Freight paid east of Rockies. Hot water, copper tanks, double walls, double glass doors. **Free** catalog describes them.



Wisconsin Incubator Co.,
Box 89, Racine, Wis.

WHAT THERE IS IN POULTRY

A Series of Articles Written For UP-TO-DATE FARMING by Mrs. J. B. Howe, Fortville, Ind., Number One.

Uninformed people often make a wry face at mention of making a regular business of poultry keeping. Such people think it too small for a business, and therefore beneath their notice.

The truth is, it is not a small business, but rather a big business of small things. Occasionally something comes out in the papers concerning the poultry business, somewhat out of the ordinary, it may be, that gives those who belittle poultry keeping a "jolt," and causes them to "sit up and take notice."

For instance, the claim that one man on a city lot has made on poultry, $1,500 in a year; that another man has sold a pen of five chickens for $7,000; that another claims an income of $20,000 from the sale of poultry, and that it is authoritatively stated in official reports that the annual sale of poultry and eggs exceeds in dollars the annual sale of wheat or oats in this country. These things show that poultry keeping is not a small business.

It is true these startling announcements, with exception of the official reports, are out of the ordinary and cannot be achieved by all. Neither can every man in any business make himself a millionaire. But the fact that some have accomplished such things, entitles the hen to our respect, and encourages us all to do our best.

I know farmers, or rather their wives, have raised chickens from time immemorial, making it only a "side line" to their farming business, and not getting out of it what there is in it. The reader knows there is scarcely a cottage so humble, or a home so grand, from the lakes to the gulf, and from the Atlantic to the Pacific, where the greeting of Chanticleer does ont wake the morning echoes, and where Mrs. Biddie does not sing her cheerful lay. There is no table so poor, nor one so well furnished, that the products of the poultry ward do not receive a gladly welcome on it.

Think for a moment of the many ways of serving an egg—boiled, fried, scrambled, poached, escalloped, devilled; in custards, pies, cakes and puddings, and who knows how many more? Then think of the toothsome spring fries, the broilers, the fricassee, and the roast fowl. What would the world be without the hen? No wonder poultry journals are like the sands of the sea for number, and that farm journals far and wide are waking up to the importance of this feathered biped that verily feeds the world. This she does in more ways than one. She not only gives her own life that we may feast and live; but while living she contributes to our marketable commodities in such a way that many other dainties accompany her products to our tables. And she helps to clothe us too. Many a pair of shoes and many an article of clothing for the children do her products buy.

And what does she demand for all this service? Only a decent shelter, and such food as her nature requires. Give her these, and she cheerfully does the rest. All honor to the hen. May she increase and multiply exceedingly, and may her fame extend to the ends of the earth.

Each season nearly every farmer suffers a big loss in his poultry yard from the ravages of Roup. And it's mighty hard to find a really certain cure for it. Pratt's Roup Cure will do the work every time. Put a small quantity in the drinking water and you'll not be bothered any more. 25c at all dealers, or write to Pratt Food Co., Dept. W., Philadelphia.

A NEW INVENTION

"I'm introducing a brand-new invention—a combined talking-machine, carpet-sweeper, and a letter opener," said the agent, stepping briskly into an office.

"Got one already," answered the proprietor, "I'm married!""



Be A Motorman

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There is only one—**The Sure Hatch.** It is in a class by itself. No other incubator is built of such high grade materials. No other has such a record of results in hatching, nor such a liberal guarantee. Every purchaser of a **Sure Hatch Incubator** actually receives a $1,000,000 Surety Bond issued by the great Bankers' Surety Company of Cleveland, Ohio. That bond places the entire resources of this great corporation behind the **Sure Hatch Guarantee.**

No other incubator is good enough for Bonding Companies to risk their money in backing. The Bankers' Surety Company could not afford to let their name be used, let alone back up our guarantee if the **Sure Hatch** were not the best Incubator on the market. They didn't agree to issue bonds on the **Sure Hatch** without first looking into the machine, it's construction and record.

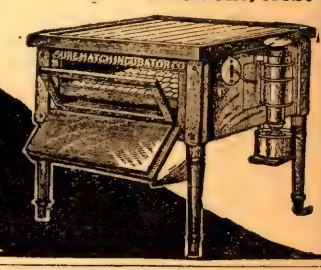
Now, can you see any chance to lose on an offer like that when we pay the freight and allow you 60 days' Free trial?

Write to-day for complete information about the **only bonded Incubator** and for Free Poultry Book.

Sure Hatch Incubator Co.
Box 28, Fremont, Neb.



Chicago, Ill., Aug. 20, 1909.
"Jan. 1st I had 27 hens. Since then I have hatched over 500 chicks. Sold $108.00 worth of broilers and eggs and have at least 350 chickens left. I have tried three other incubators but I consider the Sure Hatch best and easiest to run."
MISS L. A. POPE.



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Know in what Paper seen. Therefore We

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A FEW CHICKENS
SMALL SPACE-BIG PROFITS

The assertion that money can be made from poultry on a plat of ground 10x20 feet is almost beyond belief to the man accustomed to the idea that fowls must have a wide range, but the NEW LEVITT SYSTEM shows how a plant of this size may be operated and kept PERFECTLY SANITARY the year 'round. If desired the plant may be extended BY UNITS for any space, and a small city lot can be made to yield an income in excess of an ordinary salary. Remarkable things can be done with a few hens if the wonderful NEVITT SYSTEM is followed.

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The successful poultry raisers have valuable methods and short cuts that the public knows little about, because this information is a vital feature of their business—a part of their stock in trade. With the NEVITT SYSTEM one of the most prosperous small poultry plants in the South was built up by the originator. The same plans, unique ideas and money-making methods were used that are published now for the first time. You have seen other Systems advertised for which broad claims were made, but you have never seen anything like the NEVITT SYSTEM. It is different, and contains dollar-making plans that you can convert into cash if you will put them into practice.

A Big Per Cent of Chickens Die in the Shell Under Old Methods
Do you know that poultry raisers lose enormous sums annually because a big proportion of chicks are actually unable to hatch out after being fully developed? The NEVITT SYSTEM tells you how to reduce this loss to a minimum, this information alone is worth the price of the book.

How to make the Fireless Hatcher } in a few hours.
How to make the Fireless Brooder } at a very small cost.
How to select fowls that are prolific layers.
How to make pullets lay at five months old.
How to raise two-pound broilers in eight weeks.

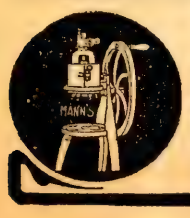
These and many other money-making, money-saving secrets are told in the NEVITT SYSYTEM OF PROFITABLE POULTRY CULTURE, which can be secured only through this company.

How to Secure This System

We have the exclusive control of the NEVITT SYSTEM, and for a short time will send FARM AND RANCH or HOLLAND'S MAGAZINE for one year and the NEVITT SYSTEM OF PROFITABLE POULTRY CULTURE for only $1.25, or both FARM AND RANCH and HOLLAND'S MAGAZINE one year to the same address and the NEVITT SYSTEM for $1.75. Address

Nevitt Desk 15
TEXAS FARM AND RANCH PUB. CO.
Dallas, Texas





Make Your Hens Lay

Free Book Tells How

You can double your egg yield by feeding fresh-cut, raw bone. It contains over four times as much egg-making material as grain and takes the place of bugs and worms in fowls' diet. That's why it gives more eggs, greater fertility, stronger chicks, larger fowls.

MANN'S LATEST MODEL BONE CUTTER

cuts easily and rapidly all large and small bones with adhering meat and gristle. Automatically adapts to your strength. Never clogs. Sent on **10 Days' Free Trial.** No money down. Send for our free books today.

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Make them pay by using the machines that really do the work—

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BEST NEW CROP GROWN SEEDS IN THE WORLD AT FARMER PRICES. In addition we give a whole lot of extra seeds with every order. OUR BIG ILLUSTRATED CATALOGUE OF FARM AND GARDEN SEEDS IS NOW READY. It is FREE to you. A postal card will bring it to your door. Write for it today; also send the address of your neighbors who buy seeds. Address,

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Best quality Vegetable, Flower and Farm Seeds, Alfalfa, Clover, Seed Potatoes, etc. We will send free with catalog a packet of our New Coreless Tomato, the best of all tomatoes.

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CARL SONDEREGGER, Pres.

Do not fail to try our Bountiful Collection of Vegetable Seeds, best 5 varieties on earth, postpaid for 40c. We also carry full line of Nursery stock.

German Nurseries, Box 112, Beatrice, Neb.

23 Bushels from One Pound of These Potatoes



One customer planted a pound of our potatoes and the second year raised 23 bushels of the best potatoes in the district. It took years to get our several varieties to their present state of perfection, giving more and better potatoes to the acre than any kind you can plant. We have done the same with our peas and beans—they are without equal for quality and yield. All our field, vegetable and flower seeds are hardy, northern grown. Write to-day for our new 112-page catalog. Free.

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100 Bu. Per Acre

Many of my customers did it last year, and, with SCARFF tested and guaranteed seed corn, you can raise a bumper crop this year. Only 8 lbs of cob to the 70-lb. bushel!—It's great, men, for feeding! The best yet. Order my grand, free, combination catalog on Seed Corn, Oats, Potatoes, Small Fruits and Nursery Stock and get my special prices NOW.

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LEARN VETERINARY DENTISTRY and make **$2000** a year. We teach you at home in three months of your spare time by illustrated lectures and grant diploma with degree. Particulars free. **The Detroit Veterinary Dental College, Detroit, Mich.**

MISSOURI—For Sale: 800-acre farm; note what I say; it's a great bargain; improvements worth $15,000; abunance of fruit; will grow 60 to 80 bushels corn acre; did grow 32,000 bushels corn on 400 acres in one year; grows red clover, timothy and blue grass the best; high-class Lafayette county, Missouri, farm; two hours from Kansas City; eight St. Louis; twelve Chicago; practically all good corn land; farms adjoining held $100 to $125; price, $75 acre; easy terms. After January 1st, 1910, the price of this land will be $100 per acre. This farm adjoins the station of Aullville on the Missouri Pacific Railroad. J. H. Lipscomb, 306 Fidelity Trust Bldg., Kansas City, Mo.

GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

The problem of the farm garden and orchard is getting to be more complex from year to year. With the increasing demand for none but the finest products, and the increasing difficulty in supplying it owing to the large number of fungi and insect pests, there is a distinctive field for a medium by which the garden worker can be kept in touch with that which will enable him to overcome adverse conditions. It is this field that the Garden Department in UP-TO-DATE FARMING will occupy, and cover fully.

THE VEGETABLE GARDEN

It would seem that the gardener has had enough troubles in combatting the inroads of fungi and insect enemies, but there is arising over the country a new series of plant troubles, due to changed conditions of culture, especially in those sections where intensive garden culture is the rule. For a number of years these troubles have been reported from different sections of the country, by local names, such as the "Wilt," the "Scald," the "Drop," and various other names, all of which are more suggestive of the effect than the cause. Even some scientific investigators were puzzled by these so-called diseases, which were at first ascribed to either fungous or weather troubles, but it has been accurately demonstrated that they are structural troubles of plants, which arise owing to the plants making an effort to adjust themselves to changed conditions of soil and culture.

The soil of nature is usually, one containing a well-balanced mixture of mineral and organic ingredients, but the continual cropping without the addition of sufficient humus has very largely exhausted that most important quality in the soil, and in the effort to produce the desired high results, the use of excessive chemical fertilizers has been resorted to. The law of change, and the operation of the rule of selection covering a long period of years has brought an unexpected result. We are feeding our gardens too strong a diet of chemicals, and we are paying the penalty in depleted soils, and the loss of garden crops due to the so-called diseases above named, but which can be entirely prevented by the restoration of the humus to the soil, in sufficient quantities to make a proper mechanical balance. It has too long been the habit for the farmer to use his best stable-manure on his field crops. The manure for the garden should be specially made. The base of it should be some easily rotted material, such as leaves, wheat-straw, or chaff, of which leaves is the best, and it should be used to absorb what it will hold of the liquid wastes from the barn, and it should be piled close in order to insure perfect rotting, and a plentiful supply reserved. If you have been troubled with lettuce, spinach, cucumbers, or other crops wilting or scalding just about the time you expected to gather them, have your soil examined, and arrange to give it what it needs. Your home experiment station will examine your soil free.

Seed Potatoes.

I want to call the attention of my readers to the necessity of closely inquiring into the history of the seed-potatoes which they buy this spring for planting. Good seed potatoes are high, and may get considerably higher before planting time, and the gardener cannot afford to buy seed which is not fit to plant. A large part of the seed potatoes offered for sale is grown in Maine and northern New York, in some districts of which there were epidemics of blight, and scab during the past season. In order to carry seed-potatoes over winter in a manner that will make them show up plump and nice in the spring, it is the custom of some dealers to put them in cold-storage. This is all right if the temperature is right, but it frequently happens that the temperature is too low, and the potatoes come out in the spring in a devitalized condition. Many planters were left in the lurch by these cold-storage potatoes, according to the complaints which have reached me, last season. Some of the experiment stations have been testing cold-storage potatoes, bought in the open market, with poor results. The old-fashioned pit, or the root cellar is the best for seed-potatoes. Buy from a reliable dealer and have the matter of vitality settled.

Farm Canned Goods.

Since the agitation regarding pure food has reached such an acute stage that many people are afraid to eat canned vegetables and fruits, unless the label states distinctly that the contents have not been "embalmed" with benzoate of soda, I see a widely opening field for the introduction of farm-canned goods. Why not? If the farmer can market his fresh vegetables to his regular customers on account of their quality, why cannot he sell to the same customers his surplus, put up in nice new cans or jars, labeled with his own brand, at a fair price? He can. The cost of a farm canning outfit is not great, and will soon pay for itself, and the one distinct advantage that I see is that it will enable the farmer to carry on his garden operations on a larger scale, by which he can use horse-power economically, and what does not sell fresh from the garden can at once be canned and sold in the fall for winter consumption. In my section there is a farmer who has sold all his dried corn **at forty cents a quart** and could not supply half the demand, while choice machine evaporated corn is selling in the stores at twenty cents a quart. Why? Because this farmer has been supplying his regular customers with none but choice products for thirty years, and his brand brings the top price. He never gluts his market, every year having more of a demand than his supply will fill.

In the next issue I will tell you something about the new things in vegetables which are worth trying.

FORCE OF HABIT

Customer—"Er—have you the time, please?"

Druggist—"No, madam, the clock has stopped; but we have something just as good."

THE FLOWER GARDEN

It may seem strange to you to have me write about flowers in the midst of winter, but I am getting my inspiration from a pan of five choice white Roman hyacinths which is sitting on a table near me while I write. I pity the gardener who can have flowers only in summer—why, any one can do that, but it is the mark of the expert to have flowers all the year, especially, as Nature so wills it that it is but a matter of trying. There is not a moment in the year during which it is not possible to have flowers, simply by planting the proper kinds at the right time. In the garden of an expert amateur living near me there is bloom outdoors from the middle of March when the first snow-drops push up through the frozen ground, until the first week of November, when the pompon chrysanthemums and Baby Rambler were killed by the frost. Before this time his early bulbs were in bloom, and he will have them the whole winter until the out-door ones come in the spring. I intend to start the planting of such a garden through this Department commencing with March, and continuing it through the year, and those who follow me will in another year have such a garden of their own. Get your seed catalogues from reliable dealers, whose advertisements you will see in this paper, and send in your orders early. See that your garden contains enough of hardy plants to make it well-balanced.

Hardy Vines.

If you did not cut back the hardy vines growing on your porch do it now. All vines which bloom **on next season's growth,** should be cut back to the porch floor. This is especially true of all the varieties of Clematis. You will get more and finer flowers if thus pruned.

THE SMALL FRUITS

There is not much that can be done in the small-fruit garden this month, unless it be the planning for the coming season. The winter months to the farm-gardener should be ones full of study and research in order that by the time the spring season opens every step contemplated in the handling of the garden will have been planned out, and thoroughly understood by all concerned. If you are planning a new small-fruit garden, the most important thing to have settled is that of suitable varieties. There have been a number of comparative experiments in recent years to test the merits of varieties of different fruits, with the following results. Best varieties:

Currants, Wilder, Perfection, Fay's Prolific, White Imperial.

Red Raspberries, Marlboro, Cuthbert.

Gooseberries, Downing.

Black Raspberries, Kansas, Cumberland.

Blackberries, Early Harvest, Snyder, Eldorado.

Strawberries, Clyde, Haverland, Parson's Beauty, Glen Mary, Brandywine, Dorman, Sample.

FREE We Will Send Upon Application to Every Farmer **FREE**
PROF. THOMAS SHAW'S Directions for Planting
Garden, Flower and Field Seeds in our Catalogue of Home Grown Seed
NORTHERN SEED CO., Seed Growers. 7th Street, Valley City, N. D.

SEED CORN 153 BU. ACRE

Diamond Joe's Big White—A strictly new variety. None like it. It is the Earliest Best Big White Corn in the World—Because it was bred for most Big Bushels, not fancy show points; because grown from thoroughbred inherited stock; every stalk bears one or more good ears, because scientifically handled, thoroughly dried and properly cured and had the most rigid examination. Big Seed Catalog FREE. It tells about all best farm, grass, garden and flower seeds grown. Write for it today. Address, **RATEKIN'S SEED HOUSE, Shenandoah, Iowa.**

Tested Field Seeds

In Sealed Bags containing certificate of purity and germination test

Never before have you had the opportunity to buy authoritatively certified seeds. Our work has the enthusiastic interest of many past and present officials of the U. S. Department of Agriculture, also leading state agricultural colleges and thousands of farmers.

We have distributing agents in leading towns, but if none near you, will ship direct, freight prepaid. Send your dealers' names.

Our booklets, "Good and Bad Seeds" and "A Guide to Success in Agriculture," will be mailed free. Worth hundreds of dollars to any farmer. Write for them and mention UP-TO-DATE FARMING.

AMERICAN PURE SEED COMPANY. Evansville, Ind

Novelties.

There are many fine novelties on the market, and while every grower should grow a few of them for testing, he should never plant a novelty as a main crop—it is too hazardous. It takes time to develop the lasting varieties.

Insects and Fungi.

The grower of small fruits must make provision for spraying and dusting as effectually as must the orchardist. There is no small fruit that is not subject to one or more fungi, or insect pests, and there is no section of the country free from them. Their spread has been very largely through nursery stock, but this will be eliminated very largely in the future through the present stringent inspection and fumigation laws. In due time this Department will give full instructions as to what to use and when to use it for each enemy of the small fruit.

THE ORCHARD

Pruning.

As many persons will start young orchards in the coming spring and others will endeavor to rejuvenate older ones by pruning, it may be well to consider some of the basic principles of this art most necessary to the proper growing of all fruits, and especially the apple. It is a well established fact that the tops of all trees should be cut back at the time of transplanting, but it is not often done as effectually as it should be. All the moisture taken up by the plants is absorbed by the tiny root-hairs attached to the larger roots, most of which are destroyed in transplanting. The result is that if the large top is allowed to remain, there is more evaporation from the top of moisture than can be taken up by the roots, and this means the death or injury of the tree. In addition there is no object to be gained by allowing the large top to remain, as if the tree is to be grown according to either of the usual modern systems of apple culture, the "central-leader," or the "open-head," the top must come off in order to start the tree right, as that is never done in the nursery. I consider it best from all points of view to plant one year whips when starting an orchard, so that the forming tree is always under the hand of the operator. Like the training of children, train a tree in the way it should go and it will not depart therefrom; but this training must for the best results begin in the tree's infancy. The aim should be to not have an excessive top-growth of buds before the root hairs have formed on the roots.

The one-year whip may be allowed to grow from an eighteen inch stub as it will. This will mean that when the tree is in bearing the lowest limb will be not over thirty inches from the ground. By the end of the second year of growth, there should be eight or ten vigorous branches, from which we will grow the scaffold limbs which are to bear up the tree ever after. Begin with the lowest selected branch, and remove all below, doing it so surely that the wounds will bark over quickly, and no further bother be had with them. Above this select three evenly distributed limbs which will make the "scaffold." Head in these scaffold branches to a foot long, and the shap- of the tree may be said to have started. During the growing season a majority of the buds upon the scaffold limbs will grow into branches, and they should be allowed to grow as the tree will need a large leaf surface in order to manufacture plant-food necessary to its maintainence.



(a) Two year old tree showing scaffold. (b) same tree three years old.

During the succeeding winter the next pruning is given. Select two branches on each of the scaffold limbs, one at the end and the other at any advantageous position between the end and the trunk; cut them back to a foot in length, and remove all of the others, cutting them close so that they will bark over. This process should be repeated annually, in the winter, during the first four years of growth, when you will have an ideal framework of a tree grown by the "open-head" method. Care should be used in selecting branches for the scaffold and framework limbs so as to make a well-balanced tree. If there be an open space on any side of the tree, select a branch pointing that way, so as to fill it, and correct the fault of growth.

Apple trees as a rule follow two general outlines, naturally, the upright and the spreading. If the tree has a natural tendency to upright, close-growing limbs, they can be spread, by first cutting off the limbs just above a bud pointing outward. This continued for four years will have the effect of making a fairly wide-spreading tree; on the other hand, if a tree is naturally of a sprawling nature, select buds pointing inward and cut off close above them, until the habit of the tree has been restored to the standard you have adopted. When locating the scaffold limbs of an open-head tree, cut off the terminal branch, just above the top one. The after pruning of such a tree is very simple. Merely cut out all crossing limbs, and where too thick, or when pointed toward the center, which is left open. All the long branches should be headed back annually, as it is a good plan to keep the bearing wood where the fruit may be picked easily, and reached by the sprayer. Handled in this manner it will seldom be necessary to remove large branches from such trees, and the question of removing the tops in order to facilitate spraying will never arise. The advantages of this method of pruning are: The scaffold limbs will produce as large a bearing surface as the tree can use, and the branches will be stout and stocky, and easily stand up under any load that is likely to be put upon them. There will be no long and willowy branches to bend or break under a load of fruit, and now that spraying has become so universal the advantages of a tree pruned thus will be apparent.

However, there are locations, principally in the middle west and along



$500 in Gold Given Away

Name This Corn and You Get $500.00 in Gold! Said a prominent agriculturist: "Salzer has startled the agricultural world in discovering a most remarkable breed of corn—the largest mortal eye ever saw!" The new corn will not be on the market, however, for a year. There is not enough in existence to fill the heavy orders that would soon pour in. Only sample packets of this precious cereal can be obtained now. Meanwhile, the important question, what to name it, will have to be answered.

Mr. Salzer's novel plan is to offer, **absolutely free,** $500 in gold to the person who names this new corn. "Tell my farmer friends," he says, "that I am willing to give five hundred dollars for a name suitable and characteristic of my great corn."

Send Now For Sample of This Great Corn—Then Name It

Now, **somebody** is going to win, and that "somebody" might as well be you. All you have to do is offer the name that best suggests this very finest breed of corn. That name may seem quite common-place, but if it fits, **you win.** Begin thinking up this name now! If you succeed, you will be richer by five hundred dollars; if you do not, you are not out a penny—and you will have received generous sample of this "Nameless" Corn big enough to grow a half bushel of seed.

The Judges

Hon. John J. Esch, Congressman for Wisconsin; Prof. R. A. Moore, Wisconsin Agricultural College, Madison, Wis. and Hon. Robert Calvert, U. S. Customs, LaCrosse, Wis., all prominent men, will act as judges. They are not only men of integrity, but of keenest judgment, as well. The name you offer will be sent to them when it comes to us. They will choose a name without knowing who suggested it. Contest closes in a few weeks. Every seed buyer, regardless of age, sex or residence, has an equal chance.

TO ENTER THE CONTSET—Write for sample packet of "Nameless" Corn. Enclose two 2c stamps. (You will receive with the Sample Packet and our Mammoth New Seed Book, a FIVE CENT CASH COUPON worth face value when you purchase 25c worth of Salzer Seed). Examine "Nameless" Corn; its remarkable appearance will at once suggest a striking name! You will be promptly notified, and the money delivered to you, should the judges decide your way. If you suggest the same winning name that somebody else does, you get the prize anyhow if your letter is **postmarked first.** So get **your** "Nameless" Corn Sample at once and be ready to win the Big Prize.

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The age and foremost standing of the great Salzer Seed House need no mention. Through 35 years of hard, intelligent work, John A. Salzer became the leading Seedsman of the United States. His fixed policy of **giving a dollar in seed value** for every dollar received has made his House famous. It established his **reputation for reliability.** 35 years of increasing patronage, without a disappointed customer is a record seldom equalled.

Try this year Salzer's Wonderful "6 Weeks" Potato! Earliest variety known; brings top market prices. See page 126 of the Salzer Seed Book. On pages 101-102 will be found full particulars regarding the prize of 160 acres of Wisconsin farm land that Mr. Salzer offers for the largest yield of White Bonanza Oats during the season of 1910. Better send for a copy and see what he has to say about it. Brimful of rare, heavy-yielding Farm and Vegetable Seeds—140 big, interesting pages on Farm Seed, Plants and Tools. Let it be your helpful guide in selecting every kind of reliable, fertile farm seed you want. It is FREE. **Send 4c in stamps for Corn Sample and enter Contest.**

JOHN A. SALZER SEED CO. 116 S. 8th St. LaCrosse, Wis.

BEST SEED POTATOES 70 varieties Catalogue of free. A. G. ALDRIDGE, Fisher's, Ontario Co., N.Y.

The Toledo Rex Spray Co.
Toledo, Ohio,
has just issued a bulletin on spraying fruit trees which every one should read. Send for a copy **FREE.**

New **Ruby Nugget Tomato**



This Packet **Seeds Free**

A grand novelty which originated on our place and is now offered for the first time. While not large, still it is a handsome fruit, of delicious flavor and wonderfully productive—over 700 fruits have been grown on one plant. A cash prize of $10.00 will be paid to the person growing the largest number of Ruby Nugget Tomatoes on a single plant this year. Price is 35 cents per packet of 100 seeds, but to induce you to give our Choice Iowa Seeds a trial this year, we will send you a trial packet of about 25 seeds without charge, together with a copy of our large illustrated seed and plant catalog. If you have had our catalog this year, please say so. Mention this paper.
IOWA SEED CO., Dept. 71 DES MOINES, IOWA.

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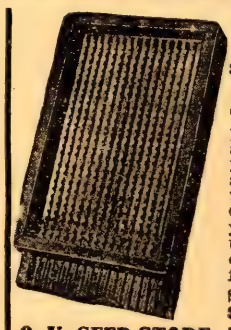
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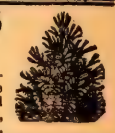
$1.00 buys a patent PLANTER SEED CORN GRADER. The increased yield per acre pays for it several times in a year. How many acres have you? Figure what one of these Graders means to you. Any boy can use it. Will grade corn perfectly. Every farmer needs one.

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the Mississippi valley where there are periodical storms with high winds, and the open-head tree will not stand the strain, especially if loaded wtih fruit, and on this account the "central-leader" style of pruning may be the more expedient. In this style of tree-growing, the start is made just as in the pen-head type, except that the leading shoot is allowed to remain a foot higher than the scaffold limbs, and on this a second top is planned out the next season, and a third one if desired, pruning the framework branches as before. This makes a stronger tree, and one which will withstand high winds better than the other type, but it is not as easy to spray, or from which to gather the fruit.



(a) Two year old tree pruned for central-leader style. (b) same tree three years old.

In starting the tree by either method of growing it should be kept in mind that a good distance between the scaffold limbs and the main truck should be observed. They may look awkward when young, but they will work out by the time they come into bearing. Branches which are eight inches apart on yearling trees will be crowded at the end of ten years, and a stronger tree results if the pull of the load is distributed up and down a longer surface of the trunk, than if crowded into one spot.

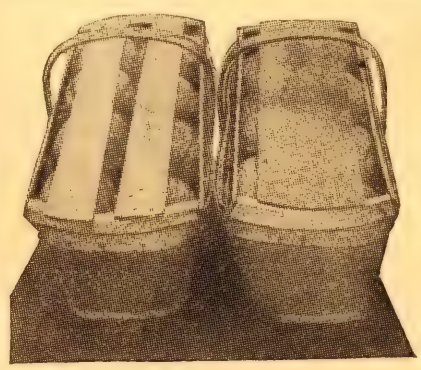
Spraying.

In the next issue of this paper I will give a symposium of orchard spraying. There have been many experiments made during the past season, and I intend to give my readers the benefit of the best of them. It is natural that in as important a matter as spraying has become there should be discoveries and inventions, as well as new devices owing to the many minds centered upon this phase of orchard management. The best men in the horticultural profession are working it out, and we will soon see it put on a reliable and feasible basis, especially as to implements and cost.

MARKETING

Packages.

There is considerable discussion going on in the horticultural papers as to what is the best package for fancy and No. 1 apples for eastern growers. There is no question but that for these grades the barrel is doomed, as the high-prices which must be had for these grades in order to return a fair price to the grower must come from



Climax baskets with single-slat and two-slat covers. Why not use them for apples?

the large middle-class of buyers who cannot and will not buy fancy or No. 1 fruit in barrel lots. The best suggestion to my mind is that these grades be packed in climax baskets, similar to those in which grapes are marketed, but with narrow slatted lids, so that the fruit will show in a tempting manner, for it is the universal statement by dealers in these grades that the eye must be caught to get the highest prices for fruit. I can see no objection to these packages, excepting the labor involved in packing them. There are several objections made by eastern growers to the western apple box, the principal one being the high cost of the boxes. A fancy apple cannot be packed in an unsightly box, and the price of clear white-pine boxes precludes their being used. To me it looks to be a case of the eastern grower working out his one salvation, as did the western one. Let them try the climax baskets and if they put their own brands on them, and the market demands them, the question will be solved. Another suggestion is the crate in which small melons are packed, but of half the size, with a slat top, but I do not regard this as being of the right kind for such a fruit. I would like to see the manufacturers of corrugated paper boxes tackle the subject, and endeavor to supply a satisfactory package with a handle which will hold not more than half a bushel; in fact there should be half-peck, and peck sizes as well. Can they do it?

The Market.

In the winter is a good time for the farmer to look up his market for his fruits. If he is growing for sale, extensively, a survey of the local market, with the aid of the dealers will tell him whether it be glutted or whether it will absorb more fruit of a certain quality. Also, he can ascertain the varieties and their relative demands, to use as a guide in case of more planting. The wise farmer does not try to sell his fruit on a market which is over-stocked, or which demands kinds or qualities which he does not have. In such cases find out where your market is. It is safe to try to build up a market when there is a scarcity of fruit, or you have something that will make its own appeal, on account of quality or unusualness. The matter of a market should be decided while the sale of fruit is going on.

SOME GOOD APPLES—Old and New.

There are hundreds of varieties of apples on the market, but few of them stand the test of time. Those who grow for the market should grow those which sell best in the particular market to which they are sent, but when the market will take almost any good fancy or No. 1 fruit, it is wise to grow those which are productive, and of fine quality. The following have been thoroughly tested as to vitality, productiveness, and quality of fruit, and if offered as a suggestion to those making new orchards: Ben Davis, Big Bluff, Winesap, Clark Pearmain, Duke's Winesap, Early Harvest, Red Asrachan, Limbertwig, Simon's Red, Baldwin, Yellow Transparent, Maiden's Blush, Greening, Pound, Northern Spy, Pippin, Jonathan. There are many other fine apples, but this selection covers those which have stood all kinds of tests, with the highest percents of success.

FERTILIZERS AND MANURES

As those who will need fertilizers, aside from barnyard manures will want to order them early, I am giving below the formulas of those which experiment has shown to be the best for garden crops of various kinds. When ordering send along the formula for the crop for which you intend to use. It is just as easy to get the right kind as a hit-or-miss one.

For Potatoes

Nitrate of Soda	50 lbs.
Dried Blood	100 lbs.
Tankage	100 lbs.
Acid Phosphate	600 lbs.
Muriata of Potash	150 lbs.

Apply 800 pounds to the acre.

For General Garden Crops

Nitrate of Soda	50 lbs.
Sul. of Ammonia	100 lbs.
Dried Blood	150 lbs.
Acid Phosphate	550 lbs.
Muriate of Potash	150 lbs.

Apply 100 pounds per acre.

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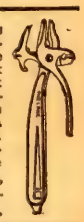
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For small fruits
Ground Bone .....250 lbs.
Acid Phosphate .....450 lbs.
Muriate of Potash .....300 lbs.

The above formula is also recommended for bearing fruit trees, being worked under the top early in spring. Apply from 300 to 500 pounds to the acre. However, there is no better spring fertilizer than well-rotted barn-yard manure. Use all you can get of it, and work it in from the top.

The best fertilizer you can give your soil is decomposed green manures, in the decomposition of which the beneficial soil bacteria accomplish their mission, that of rendering the plant food available, and improving the mechanical quality of the soil. Plan now for the planting of green manure soiling crops next year, in order that the garden may get its share, as well as the orchard.

GARDEN AND ORCHARD IMPLEMENTS

In the operation of the garden and orchard the use of good tools, made especially to do the particular work required is necessary. Hand work these days of strenuous farming cannot compete with first class tools. One of the tools which is needed in every orchard and garden is a good large-sized **pruning shears**, one that can cut off a good sized limb. There is a good one on the market which cuts from both the top and bottom, preventing the much dreaded tearing down of the bark, so injurious to the tree. Since the cultivation method of fruit farming has been proven as the better, the implement makers have put on the market **double action cut-away harrows** made especially for orchard work. No fruit grower should be without one of these for the cultivation of the orchard.

Sprayers.

The prevalence of fungous diseases in the growing potatoes, and their highly contagious nature has rendered spraying vitally necessary, and in the case of those who grow this crop for market in large quantities, it is economy to use a horse sprayer, of which there are good ones on the market. Such matters should be gone into now—do not wait until the rush of summer work overtakes you. In a former article I spoke of hot-beds and cold frames, and I want to call attention to the fact that frames for such can be had with double glass, rendering the use of shading and covering unnecessary. It is worth while trying them in comparison with the single glass.

HOW TO IMPROVE THE GARDEN DEPARTMENT.

To My Readers.

What do you think of the new Garden Department? Are you being benefitted by it? There are so many things that are insistent to be printed, and which I want to lay before you, that I am going to appeal to my readers for more space in which to serve them. To get this space the list of subscribers must be "boosted" to 150,000 at once, when the publisher will concede me another page of space for your benefit. Will you help to do it? Will you start today? If everyone of my half million of readers will each get one new subscribers WITHIN THE NEXT WEEK, and send the name in with 50c for two years, **I and you will get another page for our profit and pleasure.** You alone can get it for me. WILL YOU DO IT TODAY?

Samuel Armstrong Hamilton,
Garden Editor.

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Garden Notes.

Did you clean off the garden after all the crops were raised, and burn all the rubbish? If not, it is not too late to burn it now. It will have concealed amongst it hundreds of eggs and cocoons of noxious insects, and spores of funguous diseases, the best remedy for which is fire.

How about the house-plants? Were they forgotten in the rush? If so, it is not too late yet to re-pot them into fresh loamy soil, using a handful of bone-meal to a pot, put near the top.

Look at the winter-blooming bulbs which were put away in November to root. They may need water, and they should be in the dark, and in a cool place. In a cold-frame out-doors is an ideal place for them.

Roman hyacinths, which do not require advance rooting, can be started at any time during the winter. Set five of them in a six inch pot, with good drainage, and keep the soil moist. They should be in a warm room, and have plenty of light.

Remember—that in all cases where mulching for winter is advised, the proper time to give it is after the ground has frozen an inch or two. This is especially true of mulching about shrubbery, and applies to the vegetable garden as well. The middle of December in most sections is the right time to put the mulching on the asparagus and strawberries.

The best time to put the hard-wood ashes on the lawn is on top of the first light snow, which generally melts, and carries it down to the soil. My first attempt to use this lawn fertilizer was a failure. I put it on one beautiful November day, and it lodged mostly in the grass. That evening a high wind came up and carried most of it away. The next best thing is to put it on after a rain.

Have you all your garden and orchard tools cleaned, and put away where they will not rust. Such tools as will not be required for several months should be well scrubbed with a weak solution of washing-soda, wiped dry, rubbed with a corn-cob, and given a coating of lard-oil with a brush. This work can be done indoors any blustery winter day.

There is always more or less snow-shoveling to be done in a well-conducted farm garden, in order that access may be had to the hot-beds, cold-frames, cabbage, and celery pits, and other parts of the winter-garden. This is hard work with the shovel, as every farm-boy can attest. When I was a boy on the farm, my brother and I made a snow-plow out of a broad-shovel cultivator, and the path it made required merely dressing up with the shovel. We hitched a small horse to it, as motive-power. Try it, boys.

SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

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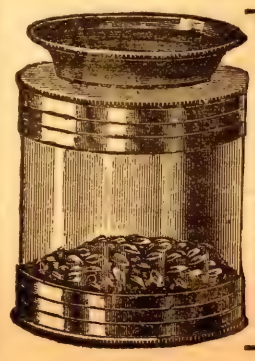
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THOUGHTS THAT COME

THE TRACK IN THE ROCK

By John P. Stelle

On my father's farm was a low rock ledge, and at its foot in solid rock was a pefect track of a dog or a wolf, evidently the latter, because it must have been made before dogs were there. The track was as perfect as was ever made in soft clay. The impression of each toe, and of each toe nail, was absolutely perfect. The material that rose between the toes was a little harder than the rock itself, as was also that within the track, caused no doubt by the pressure of the foot upon the yielding substance.

The track was unquestionably that of a wolf that had leaped from the top of the rock, one foot at least making its impression in soft matter that afterwards became solid rock.

But when? The time even scientists may not reveal. Certain it is that many changes had taken place on the earth since the track was made. The waters had come and flowed into the brooks, and sang over the pebbles without an ear to hear. Plants grew and budded and bloomed and bore seed without an eye to see or a hand to gather. Trees sprang up and defied storms and lightning and heat and cold. Animals lived and feasted and hungered and died. Strange men and women dwelt among the trees, and hunted in the forest and fished in the streams. These passed away, and other men and women came, and trees were felled to make them homes, and fields were cultivated where thorns and briers had grown. Mild and gentle animals quietly grazed where savage beasts had preyed upon each other.

But the material in which the track was made became a stone, and the track remained through all the years and ages of change, an enduring proof that a wolf had been there. What thoughts cluster around the simple figure in the rock, and how much history is written in it! The material once was soft, else the foot could not have made its impression there. Then it became stone as it now is, else the track could not have survived the changes, some slow and almost imperceptible, others violent as the internal convulsion, the upheaval and the earthquake.

But what of it? All through life we are making tracks. But how and where? Are they enduring, or will they soon be obliterated and forgotten? Do our tracks point to that which is good, or to what is evil? Are we eager to make them where we can help a fellow-mortal, or are they guided by selfish instincts into paths where good deeds are seldom found?

A track is but an impression. Are ours made in dust where every breeze may wipe them out, or in the rock where they can survive the change of ages? Success depends upon the tracks we make. It is not easy to say just where each one must walk. There are thoughts and aims and purposes that slide to a lower level or lead to a higher plane; aspirations that go forward, or instincts that turn back. There is a hope that beckons on to better things, or there may be a spirit of carelessness, thoughtlessness, recklessness, unconcern, that holds to the low and the sordid—that gets neither higher nor better; that neither builds up the one nor helps up the other.

It is the good that lasts. The aspiring mind receives the impression that hardens into stone, and may last throughout eternity.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

The human race is still in a transition state. Heights have been reached, but the summit is still above us. The longing, aspiring, ambitious mind may still be impressed. There are those yet below us that need to be lifted up. The mind that now yields to impressions will become firm and retain them through all the after years. Are we making tracks in the rock or in the dust?

WHAT TO READ

"Of the making of books there is no end." If this was true in the days of Solomon, what could be said of it now? There must be something to do in the homes these long winter evenings. Looking back to our childhood days, we think there is nothing so entertaining and profitable as reading—family reading—some one to read while the others listen. We like that better in the home than for each to have his own book or his own story, and read and enjoy it all to himself. When all have the same reading at the same time the family mind is kept in harmony, the family thought runs in similar channels, and the family attainment is more uniform. Besides, when all are studying the same book or story, there is afforded an ever present subject for conversation. The characters, the plot and the denonement, or historic or biographic events, may be intelligently discussed, and literary talents may be thus discovered and improved.

But what to read? There are books and books, and papers and papers, and in the face of that fact, such a question as the preceding seems superfluous. But that profuseness of reading matter makes the question necessary. Not so many years ago people had to read what they could get, not what they might choose. It is said that Abraham Lincoln, when a boy, walked seven miles on a wintry day to borrow a book to read, and the writer remembers a case in his father's family when the brothers made up a "purse" of buttons, Indian arrowheads, and similar old time boyish possessions, to hire one of their number to go one cold night to the somewhat distant home of a neighbor to borrow a life of Gen. Francis Marion to be read in the family.

Many of the present day books and papers do not afford the most wholesome family reading. We regret that the publishers of great papers have drifted to the conclusion that quantity is the test of excellence, and in order to provide quantity, they neglect quality, and publish much that the general public, and especially the reading family would be better without. And many books that occupy prominent places on the shelves of the dealers, and even in the public libraries, would be more useful to the human family were they never read. It is not up to us to name them, but it is up to the readers to see to it that what they read is inspiring, elevating, hope-building and educational. The reading of a book or a paper which leaves the reader no better, no more hopeful, no more aspiring or no more refined, is time wasted and mind unimproved, to say the very least of it.

But even reading may be taken to a harmful extreme. We have known a few families in which reading seemed to be a mania. The children hungered for books as they did for food, and had no room in their lives for anything else. With them it was a habit, a dissipation, a mind weakening rather than a mind strengthening process.

We would not make reading the family's only winter evening employment. Healthful and elevating conversation, of which the suggested reading ought to be the best stimulus, may well claim a good portion of the time.



VIOLIN FREE

This is a fine, handsome, clear toned good sized Violin of highly polished beautiful wood, ebony finished pegs, finger board and tail piece, one silver string, three gut strings, long bow of white horse hair, box of resin and FINE SELF INSTRUCTION BOOK. Send us your name and address for 24 packages of BLUINE to sell at 10c a package. When sold return our $2.40 and we will send you this beautiful Violin and outfit just exactly as represented.

BLUINE MFG. CO.,
535 Mill St., Concord Jct. Mass.



Just your name and address and we will send you 24 packages of our **New** style **Easy-to-Thread Gold Eye Needles** and 12 **Satin Finish** Pure Aluminum Thimbles, all post paid with **Big 16 Page Premium List.** You sell the Needles at 5 cts. a Package and to each person that buys 2 Packages, you give a Thimble **Free.** Your success is certain. When sold send us the $1.20 and we will send you the Premium you select and are entitled to in the Premium List, order at once and get extra Presents **Free.** Address
Globe Novelty Co., Box 413 Greenville, Pa.

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Genuine American Watch, Stem Wind and Stem Set. Beautifully embossed, highly polished case, latest improved movement. Guaranteed correct time keeper: also Fine Ring with Sparkling Gem, both **Free** for selling 24 Jewelry Novelties at 10c each. Write for Jewelry. When sold send us $2.40 and we send watch and ring.



Friend Soap Co., Dept. 144 Boston, Mass.

Bottle of Perfume on Credit

Send us 25 cents as first payment on this high grade quality of perfume and we will send it to you by return mail. Then pay us 10 cts. per month for 3 months. There are no strings tied to this offer. We mean what we say. You do not have to sign any papers. Just send us 25 cts. and ask us send you this perfume on credit then pay us 10 cts. per month until you have paid us 55 cts.

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Beautiful Violin, good size. Full sweet tone, richly polished wood. Finger board and tail piece ebony finished. Fully fitted with three gut strings, and one silver string. Also fine bow of white horse hair and complete SELF INSTRUCTION BOOK. Write for 24 pieces of Art Jewelry to sell at 10c each. When sold return our $2.40 and we send this fine Violin and outfit. EAGLE WATCH CO., Dept. 566, East Boston, Mass.

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FREE Corn Plasters FREE

Guaranteed to cure the most stubborn corn. A positive cure for soft corns between the toes. To introduce this plaster we want to send every reader of this paper a package FREE. We know you will be more than grateful to us after you have used it. Send two cent stamp for postage.

CORNOFF DISTRIBUTING CO., - - Bellefonte, Pa.

REQUEST *ADVERTISERS WANT TO Know what Paper seen. Therefore We* **TO** *their Advertisement was Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers.* **READERS.**

INDIGESTION My remedy will cure you just as it has THOUSANDS of others. If you are a sufferer from indigestion or any stomach trouble write for a free sample of FOWLER'S INDIGESTION AND STOMACH POWDER, a totally different remedy, that is harmless, yet wonderfully effective. At all druggists or by mail direct. $1.00 per box, 6 boxes $5.00. Address

Dept U. F., HARRY L. FOWLER
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Our American made, stem wind watch with beautifully designed case, factory-tested, guaranteed for 5 years, and exquisite ring set with a brilliant stone are given to boys and girls for selling 20 packets of high grade art post cards at 10c a packet. Order 20 packets to-day When sold, send us $2.00 and we will positively send you at once the watch, ring and chain.



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Kills at 100 yards. Peep sights, lever action, walnut stock, barrel blueback gun metal. Given for selling 30 pieces of jewelry at 10 each. EAGLE WATCH CO., Dept. 808, East Boston, Mass

A FREE GIFT.—Every man or woman needs this book. This People's Common Sense Medical Adviser is full of information on the questions and problems which confront young or old—single or married persons. It's the best doctor to have in the house in case of emergency. Treats of Anatomy, Hygiene, Medicine, Mother and Babe. A new, fully revised, up-to-date edition, of 1008 pages, with engravings and colored plates, bound in cloth, is sent absolutely FREE on receipt of stamps to pay expense of wrapping and mailing only, if ordered at once. Over 680,000 copies were sold at $1.50 each. Enclose 31 one-cent stamps to Dr. R. V. Pierce, Dept. F, Main Street, Buffalo, N. Y.

STEM-WIND—SET

WE GIVE

a fine plated GOLD WATCH, guaranteed five years, proper size, handsomely engraved; with chain; and plated GOLD RING, beautiful 1 Diamond Setting, for selling 24 low priced jewelry articles among your friends. Send name and address. NO MONEY. WE TRUST YOU. Articles sent at once. Full instructions. Introductory offer. Only limited time. Write right now to - -

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CAMERA & COMPLETE OUTFIT

25c Takes pictures 1¼ x 1¼. A little gem. Sure to please. Leatherette covered camera and complete outfit of plates, paper, chemicals, &c. with complete instructions so any boy or girl can take GOOD PICTURES of landscapes, buildings, friends, &c. All sent for only 25c (silver) or 3 for 60c.

ALDEN & CO., Sta. A, Indianapolis, Ind.

BUY FROM ADVERTISERS IN UP-TO-DATE FARMING

You will save money. The advertiser will do more business and increase his advertisement. This gives us more money to make a larger, better paper—to carry more advertisements—to save you more money—to increase the business of advertisers and enable them to enlarge their advertisements. Again we will increase number of pages, etc.

Your purchases will help—no matter how small. Send for catalogs; ask for particulars

FREE

Tea Spoons

Do you want a dozen?

These Spoons are very beautiful. Each spoon is nicely embossed with the above design. They are made of a metal called silveroid that looks like *pure* silver, & it carries its high finish indefinitely. These are very good and serviceable spoons and on our offer are a rare bargain.

OUR OFFER: We will give one dozen of these teaspoons as a reward for a new or renewal subscription 2 years for 50c.

Up-to-Date Farming

Indianapolis, Ind.

And various exhilarating amusements may be indulged to make the hours pass pleasantly, and to leave memories, possibly sad but sweet, for the other years. We want everybody to be happy in the home on the farm.

IT"S THAT WAY YET

Fair Eve devised a walking suit
Of jungle grasses, soft and crimpy;
She thought it rather neat and cute,
But Adam grunted, "Rather skimpy!"

A cloak of palm leaves, sought for miles,
She made, and came to be admired;
But Adam said, "The silly styles
You women wear just make me tired!"

She built herself a little hat
Of lilies (Eve was very clever),
And asked him what he thought of that!
And Adam blurted, "Well, I never!"

So next she placed upon her head
A feathered three-by-four creation.
The little word that Adam said
Is barred from parlor conversation.

Yet Eve refused to be a dowd,
And tied an autumn-tinted sash on.
"I'll dress to please myself!" she vowed,
"For what does Adam know of fashion?

"What use to seek applause from him?
He scoffs and says I cannot reason!
Well, then my law shall be my whim—
And that shall change with every season."

Since when, revolving cycles bring
The gayest fashions and the queerest,
And Eve declares, "It's just the thing!"
While Adam murmurs, "Is it, dearest?"
—Woman's Home Companion.

THE HOME AND UP-TO-DATE

The dwelling was a new one,
The paint was fresh and bright;
The grounds showed taste and culture,
And the windows glowed with light.

The inmates all were happy,
Love beamed from every eye,
Kindness marked each accent,
And I can tell you why.

'Twas not that they were wealthy,
Or lived in high estate;
But each had minds progressive,
And all read UP-TO-DATE.

Perseverance

The pastry was delicious, and I wanted it myself,
So I put it in the pantry on the very lowest shelf;
And to keep it from the insects, those ants so red and small,
I made a river round it of molasses, best of all.

But the enemy approached it, all as hungry as could be,
And the captain with his aid de camp just skirmished round to see
Whether they could ford this river, or should try some other plan,
And together with his comrades he around the liquid ran.

To his joy and satisfaction, after traveling around,
The place where the molasses was the narrowest he found;
Then again he reconnoitered, rushing forward and then back,
Till he spied some loosened plaster in the wall around a tack.

He divided then his forces, with a foreman for each squad,
And he marshaled the whole army, and before him each ant trod.
His directions all were given; to his chiefs he gave a call;
When he headed the procession as they marched off up the wall.

Every ant then seized his plaster, just a speck and nothing more,
And he climbed and tugged and carried till he'd brought it to the shore;
Then they built their bridge, just working for an hour by the sky,
After which they all marched over and all fell to eating pie.

—*F. H. Sweet.*

Take a Business Course

"Not going to school any more? Why not?" "Oh, I'm going to be a farmer, and I have education enough for that." "I don't know about that. Our common schools do give you a fair start, but a year in an aguricultural college would perhaps mean the difference to you between failure and success as a practical farmer." But, ignoring that phase of the question, in order to be a success financially it is necessary that a farmer be a good business man. He should be quick and accurate in figures. To be a good penman is an advantage that can often be measured by dollars, and is always an aid to one's own assurance or self-confidence. To compose a good, clear letter, the meaning of which is unmistakable, is another necessary accomplishment of the successful farmer. He should also be acquainted with business customs and know how to conduct business transactions in a business-like way.

A few months in a business college will be of great value to every boy and girl, not only in the knowledge gained, but in the assurance that comes with the possession of such knowledge, and in the self-poise that comes from daily contact with other young people.

Should the time and expense of attendance at a good business college be a barrier, take a course by mail during the winter. Then do your best at it in every minute you can call your own. You will be pleased with your investment of time and money. It will pay good dividends.

WITH ONLY A SINGLE COW

A cream separator will pay and pay better than any other farm implement. True, the above statement depends upon the amount paid for the machine, but this problem has been successfully solved by the American Separator Co., who have produced a cream separator that is truly a wonder, both in the work it does and the price at which it is sold. Only $15.95 for a complete separator, made of the very best material and of the latest design. It skims over a quart of milk a minute, and does it perfectly. For a small dairy, restaurant, or even private family, it is just what has been needed. This company offers to send the machine absolutely on trial, and anyone interested at all in cows owes it to himself to write to the American Separator Company, Box 1149, Bainbridge, N. Y., and ask for their $15.95 proposition.

From Bakery to Farm

Soda crackers are a long time on the road to the country store, and from there to the country home. But

Uneeda Biscuit

—no matter how far they journey, never become travel worn. As you open their moisture proof protecting package you always find them not only store fresh, but bakery fresh—clean, crisp and whole.

A package costs 5c.

(Never Sold in Bulk)

NATIONAL BISCUIT COMPANY

FARM WATCH—RING and CHAIN WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely designed case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.

Dale Watch Company, Dept. 53 Chicago

80c for 20 Names

Send me 20 cents and names and post-offices of 20 farmers and I'll send you for two years the Illinois Farmer, big semi-monthly, (big Woman's Fashions and Children's Depts.) Regular sub. price 50 cents a year. John M. Stahl, Pub. 1 J. P. Sta., Chicago.

COMBINATION OFFER

Pkg. Sentimental 10 cts.
10 Post Card **VALENTINES** 10 cts.
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Sample package of each mailed for 25 cents. A special assortment of Valentine Post Cards for Dealers and Agents, 100 mailed for 60 cents.

MADISON ART CO., Madison, Conn.

3127 Hidden Name, Silk Fringe, Transparent Envelope and POST New Joker and Escort **CARDS** with Agent's NEW Sample Book and Outfit. All for a 2-CENT stamp. BUCKEYE CARD CO., Cadiz, Ohio.

25 LOVERS' POST CARDS and NAME CARDS The finest line ever sent out. (No two alike). Floral Mottoes, Friendship, Birthdays, Pretty Girls, Love Letters, Love Scenes, Escort, Acquaintance, Hidden Name and other new cards; also our Big Illustrated Catalogue and Premium List, all for 10 Cents. UNION CARD CO., B 73 Columbus, Ohio.

Your *Name* and Address Printed on *100 Gummed Stickers* - - 10c

Just the thing for letters, envelopes, cards, books, etc. Ira D. Draper, Des Moines, Iowa

CARDS Send 2c Stamp for large Sample Album of Hidden Name, Silk Fringe, Envelope, Friendship, Joker's, Lover's and all other Kinds of Cards, Post Cards and Premiums. Star Beau Catcher and list of 2000 Songs given Free. OHIO CARD CO., B 10 Cadiz, Ohio.

REQUEST *ADVERTISERS WANT TO Know in what Paper they see their Advertisement you saw. Therefore We Urgently Request You TO to mention UP-TO-DATE every time you Write to Our Advertisers.* **READERS.**

FOR CRAZY PATCHWORK OF ALL KINDS

SILK PATCHES

Crazy Quilts Sofa Pillows Fancy Work Head Rests
Beautiful colors, attractive and varied designs in stripes, plaids, figures, etc. Many different shapes. Best quality of goods. Most stylish designs ever offered. Sample package by mail, 16 cts; 2 packages 25 cts. Stamps taken.
SILK PATCH CO., Dept. 52, Williamsport, Pa.

Sell Your Fur In The East

Send your fur where it will bring the most money. The East is the raw fur center. The East is the heart of the raw fur trade, pumping its life blood of dollars all over the world where furs are caught. This paper is full of advertisements from Western fur buyers. **But they ALL sell to Eastern dealers.** It makes no difference what **they** say; we **repeat** it—**THEY ALL SELL THEIR FUR TO EASTERN DEALERS.** We are here in the East within a few miles of Canada and New York City, the world's greatest fur markets, we **own our plant** and pay no rent, we do business **at small expense** and we pay from **ten to thirty per cent. more for furs** than **any** other dealer, **East or West.** This is no idle statement, but a **proven** fact. We have the **proof right in our catalogue.** Your Bank in **your own town** will tell you **we are reliable.** Send to-day—**now**—for our big **free** trappers' and buyers' guide, market report and price list. This is **different from anything you ever saw,** and **costs** you **nothing** but the time it takes you to write for it. Do it to-day and **get more $$ for your furs.**

Corry Hide & Fur Co.
P. O. Box No. 9827 Corry, Penn.

LET US TAN YOUR HIDE,



Whether Cow, Steer, Bull, or Horse Hide, Calf, Dog, Deer, or any kind of hide or skin, soft, light, odorless and moth-proof for robe, rug, coat or gloves, and make them up when so ordered.

But first get our illustrated catalog, with prices, shipping tags and instructions. We are the largest custom fur tanners of large wild and domestic animal skins in the world.

Distance makes no difference whatever. Ship three or more cow or horse hides together from anywhere, and Crosby pays the freight both ways. We sell fur coats and gloves, do taxidermy and head mounting.

The Crosby Frisian Fur Company, Rochester, N. Y.

SEND US YOUR FURS

Make money on this years catch by sending it to us. We pay highest prices, and guarantee satisfactory returns. Shipments held separate on request. We pay all express charges and charge no commission. Get our price list and shipping tags now. All sent free upon request. A postal brings them. Let us keep you posted. Write today. Reference: East River Nat. Bank.
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SHIP YOUR FURS AND PELTS
To McMILLAN FUR & WOOL CO.
MINNEAPOLIS, MINN.
Illustrated Circular Free to anyone interested in RAW FURS.
Trappers' Guide Free to those who ship to us.

We Pay HIGHEST PRICES For RAW FURS

and also give you a share of the profit we make when we resell. Our new Profit-Sharing Plan makes Kann Returns larger than you would get elsewhere. Fair treatment guaranteed by our 20 years of fur buying. Express charges paid and settlements made immediately. Write today for Price List and Profit-Sharing Plan.

Kann & Company, 55 East 10th Street NEW YORK

Cash Paid for Raw Furs

As New York is the best fur market in America, we can and do pay highest cash prices for hides of Skunks, Minks, 'Coons, Muskrats, Opposums, Foxes, Badgers, Wolves, Beavers, Otter, and all fur-bearing animals. We pay all express charges. Write for price list. We also pay best prices for **GINSENG**

BELT, BUTLER CO., 7 Greene St., New York

RAW FUR We want your names and addresses. Our bulletins will be of interest and of value during the present season. We pay highest prices for RAW FURS and HIDES, and we want your shipments. Satisfaction guaranteed, and all shipments held separate upon request until you approve. We pay express charges or postage. Payments made by **COLLECTORS** Express Money Order.

Francis A. Groves & Co., Bowers, Pa.

FOR YOUR HIDE'S SAKE

Have it tanned with the hair on for a coat, robe or rug. We pay freight both ways if four hides are sent at one time. Send for price list.

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FUR ROBES, Coats and mittens at cost. Ship us your horse, cow and animal skins. We tan and manufacture to order. Samples and circulars free.
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12 GOLD BORDER POSTALS Charming Landscapes, Fruit Designs and Love Scenes in Beautiful Colors. Money returned If Not Worth 25c. **10c**
DRAPER PTG. CO., Des Moines, Iowa

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

CADETS OF EQUITY

The Cadet in Michigan, who wrote for information regarding Texas, gets responses. That is one of the beauties of the Cadets of Equity. UP-TO-DATE FARMING reaches all parts of the country, and is read in more than a hundred thousand families. By this means the young people of our great nation may become acquainted in sentiment and aspirations, and may materially help each other, though rivers, and mountains, and States may separate them. All aspiring boys and girls are welcome to our ranks, and as their letters go out to our vast army of readers, and as the magnetic influence of each others' kindly expressions kindle intellectual sparks in half a million hearts, the world cannot but be benefitted, and hope for the future made surer and brighter.

The first response to our Michigan Cadet's inquiry does not give a very roseate view of Texas as a country for a home, but in this as in other things people may honestly differ. Seeing things depends much upon where we are, and the environment with which we are surrounded.

Dear Cadets:

I live in Atascosa county, Texas. I am fifteen years old, and I have five brothers and two sisters. I have one brother married, and he lives in San Antonio.

I saw a letter in the Young People's column from Josie Hillman of Michigan, saying her folks were talking about moving to Texas. We live in the southern part of Texas where the chief crops are corn and cotton, and sometimes we raise more boll-worms than either. This year we had about 75 acres in cotton, and made 18 bales. It has been dry this year. We did not make any corn at all. We have to buy our corn this year. I tell you, you had better stay in Michigan, and not come to this part of Texas. If I could get away, I would not be here. After you once get here, you never make enough to get away again. We are the only ones who made any cotton to amount to anything, and the reason we did was that we had so much land planted to cotton.

I have described the southern part of Texas, and you can move down here now if you want to, but I advise you to stay where you are.

UP-TO-DATE FARMING is the best paper printed.

GERTRUDE SCHNEIDER.

We thank Gertrude for her well written letter, and especially for her good words for UP-TO-DATE. We welcome her to the Cadet band, and trust she will write us again. It may be she will sometime see Texas in a different light, for many people speak much better of it, as does the writer of the next letter, for instance. But Texas is big enough to be good in one place and not so good in another.

Dear Cadets:

I want to become a Cadet of Equity. I saw a letter in December 1 issue of UP-TO-DATE FARMING from Josie Hillman of Michigan. She said she would like to see a letter from a Texas girl. I live in south Texas, in San Patricia county. I like the country fine, and enjoy the pleasant climate. The cool sea breezes are so pleasant on summer nights. We are just eleven miles from the Gulf, and it does not take us long to go there. We went to the coast during the summer vacation, and we certainly enjoyed our visit there, as well as a bath in the bay. It was my first time to see the "great waters."

We now have (in December) almost all kinds of vegetables, fresh from the garden; and we sure have a pretty garden. We had fresh roasting ears for supper tonight, as well as fresh tomatoes and beets. We have both Irish and sweet potatoes and lettuce.

My father has been taking UP-TO-DATE for about seven years, and we think it is the best farm paper.

EUNICE SWEET.

We would have enjoyed that trip to the Gulf, and a plunge in its briny waters. We have seen the Gulf on the Florida coast, but never on the coast of Texas. Having those fresh vegetables in December will seem strange to our northern readers. We have eaten at Citronelle, Alabama, ripe tomatoes gathered from the green vines between Christmas and New Year, but the plants had had slight protection. Tell your father we are proud of his good opinion of UP-TO-DATE.

And here is another letter from Texas:

Dear Cadets:

I have just read a letter from a Michigan girl, who wished some one from Texas to write. I would like to take a seat by her, and talk of this grand state.

I am enjoying a nice fire, and this is the second cold spell we have had this winter, and it is now the fifth of December. The people have not yet killed their hogs, because there has been no cold weather. I live in Comanche county, which is mostly sandy land that produces good crops of all kinds, though this is not a very good corn country. Kaffir corn, milo-maize and cane are raised instead of corn. All kinds of vegetables do well, as do fruits also. It was very dry here, but we made a good cotton and hay crop. The people are not yet done picking cotton.

This is a timbered country, and there are a few mountains. One disadvantage of a sandy country is the sandstorms in the spring; but they do not last very long, and to take everything together, I think this is the best poor man's country that can be found. The people are friendly and sociable to a greater degree than they are in the eastern states. Land sells at $25 to $40 an acre, according to the improvements. There is prospect for a new railroad to come through this part of the country, which will help the farmers and shorten our road to market.

My letter is growing long, so I will ring off. I may come again though, and tell you of the "Narrows and the Round Mountain," which is near my home.

A happy New Year to one and all.

EUNICE HOPPER.

Two Eunices, and both in Texas. We are glad to have them as Cadets, and their letters will be read with interest in every State in the Union. Be sure to tell us about those mountains, for most of our readers live where there are no mountains, and where they never hear the moaning of the pines or the sea waves roar. The following letter is from one of them:

Dear Cadets:

My parents came to Oklahoma from Illinois during the great land rush a few years ago, and secured a home in a level prairie country. At that time there were few houses and no farms here, though considerable prairie grass was cut and made into hay. A machine could start and cut a swarth five miles long without a single interruption. And they made hay different from what they did in Illinois. The mowing machines, sometimes a dozen of them, would start in the morning, and the baling machines would commence at noon. Long "go-devil" rakes would bring the hay to the balers, and the mowers would never be more than half a day ahead of the balers. That would not work in the timothy meadows of the hay growing states, because it takes the hay longer to cure.

But Oklahoma is now settling down to more regular farming methods, and homes are becoming more numerous. There are Indians here, but they have outgrown Indian looks and habits. Many of them cannot be distinguished from the most refined white people.

I am glad to line up with the Cadets of Equity—young people learning equity. UP-TO-DATE FARMING has done, and is doing, a work no other paper ever did, and it has our hearty support because it deserves it.

GEORGE WILSON.

A visit through Oklahoma a year ago confirms what our young friend writes; and we feel sure that region will soon become one of our greatest farming sections. People who rush for new homes in the West are sure to be enterprising people, and rapid development invariably follows their location. And the fact that so many of them are regular readers of UP-TO-DATE FARMING, is proof that they are not only progressive, but that they are in favor of Equity, and will help to work it out.

A new Cadet gives us a picture and description of a strange tree growth near Dahlgren, Illinois:

Dear Cadets:

I was much interested in the picture of Silver Springs, Florida, and the legend of the tall pine tree which stands near it. There is a curiosity near my own home in Southern Illinois that I am sure will interest the Cadets. It is two large elm trees that stand about five feet apart, with no connection whatever at the ground, but which are "pinned" together about four feet above the surface, more effectively than if done by human hands. The strange part of it is that the connecting branch, if it may be called a branch, is alive, and grows as the bodies of the trees grow. It is now about three feet in circumference, while each of the trees at the point of connection is near ten feet in circumference. I enclose a kodak photo of the trees made by myself.



How this connection began no one knows. It has been the wonder of the neighborhood since white men lived here, and my grandfather, who knew the tree, or trees, when he was a boy sixty years ago, says they are now just like they were then, except that both trees and connection are much larger.

OTTIE G. COOK.

We are glad to have pictures and descriptions of things out of the ordinary, for they are interesting to our rapidly growing Cadet family. It is probable that when those trees were very small a branch from one was so pressed against the other that it formed a union with it like a graft, and was buried in its body as its growth increased, the part of the branch that passed beyond the trudying and dropping off. Our next letter is also from Southern Illinois, and tells of sleighing in that part of the Sucker State:

Dear Cadets:

I live in that part of Illinois known as Egypt. Sleighing is not very common here, not that we do not often have snows in winter, but that the cold seldom continues long enough for the snow to become packed and frozen solid. But we have had it so this winter through the most of December. Of course there are few sleighs, because nobody expects a chance to use them. The young people where sleighing is common would be amused at our turnouts. All sorts of sleighs are improvised. Buggy bodies are taken off the wheels and fastened to runners cut from the woods, with a rough pole for a tongue. Sometimes two small poles are cut, and by bending them at the proper place, they they are made to serve both as runners and shafts. For family purposes, a wagon body is put on large runners, and a dozen or more persons may ride at once.

Bells? Sure. Sleighing don't count without bells. Anything that will jingle answers. There are still a few old-time horse and cow bells, and these are sure to be brought out and put to service in sleighing time. If one can find a sheep bell, he is aristocratic. Jingling tin and iron, and old pans and small kettles are made to do duty by those who can find nothing better. But we have sleighing all right, and we have fun with it. I wish some of the more northern Cadets could be here during one sleighing time. Or, better yet, some of the Gulf coast Cadets. The northern ones would have good laughs at our rigs; the southern ones would have—well, some experiences.

JAMES GORMAN.

We are glad for young people to be "gay and happy." Without life progress is dormant and earth is dead. The thing we plead for is that no kind of evil may be made a source of amusement, that even our recreations may be tempered always by "good will to men"—to all people, and that equity in all transactions may be the growing business sentiment. We thank our letter writers and invite increasing numbers.

"I want some collars for my husband," said a lady in a department store, "but I am afraid I have forgotten the size."

"Thirteen and a half, ma'am?" suggested the clerk. "That's it. How on earth did you know?" "Gentlemen who let their wives buy their collars for 'em are always about that size, ma'am," exclaimed the observant clerk.

CONVERSATION OVERHEARD IN MONTREAL

Pierre—"Do you know Ole Yeslin?"

Francois—"Sure, I know two Ole Yeslins,—one named Pete."

TORTURING Backache!——



(From the Chicago Inter Ocean of Dec. 7)

FINDS NEW KIDNEY CURE

Dr. T. Frank Lynott, New York Specialist, Discovers Remarkable Remedy.

At last a perfect harmless and positive cure appears to have been found. Dr. T. Frank Lynott, formerly of the University of New York and the famous Bellevue Hospital, New York City, but now a celebrated specialist in Chicago, has a very simple quick-acting formula which has already been approved by the best doctors.

Last night Dr. Lynot read a paper on the treatment of kidney troubles that proved a revelation to those present. Dr. Lynott was highly praised for his deeply interesting paper, but is liable to criticism for allowing his new treatment to be advertised, especially as he was advertising a free treatment on an introductory offer.

Dr. Lynott, however, explained that this free treatment offer was not so much for patients in the big cities as for the people in villages and country districts who had access only to country doctors. Many of these country doctors, Dr. Lynott explained, were not posted on up-to-date methods of cure, and in fact were jealous of the more educated physicians in cities; so to make quick work of introducing the treatment that the best doctors must recognize as the proper remedy for kidney trouble, he had decided to offer it free for the time being to people in the country. Dr. Lynott said that the free treatments would not be continued indefinitely.

That racking pain, those awful twists of the muscles, that sharp digging soreness—digging right through the bones and flesh—all day long—half the night long—pain and misery unbearable—

Then Suddenly---

such a relief, the back becomes straight and eased, the internal pains cease, the bones quit aching, the muscles stop twitching—health, strength, freedom from all torture—as if by magic.

That is what can and will be done for you, if YOU will only take the time and trouble to read this free offer carefully. It is YOUR loss if you don't get the free treatment—it is your own self you must blame if your torturing, twisting, digging pains do not cease.

Now don't think that this is only an ordinary advertisement—it is a high grade scientific offer—a real free offer—especially for the readers of this paper. I do not want you to neglect this illness of yours one minute. I want you to get this free treatment and the free book fully explaining your real illness.

Kidney Trouble

Either Kidney Trouble itself, or Bladder Trouble, or Uric Acid leading to Rheumatism. All these diseases go back to the kidneys, and show themselves by internal pains, pains inside and by a racking of the back.

Free Proof Treatment!

The Free Treatment

if you answer this advertisement the first time you see it and send your name. An introductory offer for those who really want to get well and who, when cured, will not hesitate to tell their friends. Don't miss this wonderfully liberal offer.

DOCTOR T. FRANK LYNOTT,



whose picture appears here, will personally take charge of your case. He will give your case his personal attention, for he wants to take your case as an example for others. He wants to prove by you that his wonderful treatment is positively efficacious.

You have heard of Dr. Lynott's high standing in the profession and especially of his deep knowledge of urinary diseases (Dr. Lynott received a special diploma for study of urinary diseases from New York University) so this paper considers itself fortunate in having been able to offer Dr. Lynott's services absolutely free to the readers of this paper.

Fill out and mail this certificate now, today.

Now we positively know that Dr. Lynott has THE remedy for kidney trouble that will do the work. This remedy—for the sake of humanity—ought to be introduced at once into every community in the United States. The easiest way to introduce it would be to establish one cure quickly, showing relief is instantaneous, how the cure is certain. So, a free test treatment will be given to one person in each town. Just send your own name and address—that is all—and the free treatment will be promptly forwarded to you, also the free books explaining about backaches and all other symptoms of kidney trouble. Now remember that you are under no obligations—all you have to do is to send your name and YOU will get the free treatment. Then, after the treatment has helped you so much, you will, of course, be glad to tell all your friends about it—you are under no obligations to do so, but we know you will be glad to do it anyway. You would be grateful to us for the treatment and cure even if we had charged you half of a year's salary—it would be worth that much to you surely—but the treatment is absolutely free, prepaid. This is, of course, strictly an introductory offer—so be the first in your town to write. If you are suffering with any symptoms of kidney trouble or if any member of your family is so afflicted, sign and mail the free trial certificate.

Any sick person who fails to write at once for this absolutely free proof treatment has no right to complain longer of illness. If you are seeking a cure, answer this liberal offer.—

Here is a Table of he Symptoms of Kidney Trouble.

READ OVER THESE SYMPTOMS

See Which of the Symptoms Are Yours.

It is important to state in your reply to Dr. Lynott what your symptoms are. Just as soon as the doctor receives your reply, either in a letter or on the free certificate shown below, he will send you the free treatment. Now do not miss this opportunity. Just imagine how you will feel as soon as you get the treatment. You must feel relief at once. So do not delay, but write a letter today stating what the symptoms are. Send this certificate at once to Dr. Lynott, Pontiac Building, Chicago.

1 *Pain in the back.*
2 *Too frequent desire to urinate.*
3 *Burning or obstruction of urines.*
4 *Pain or soreness in the bladder.*
5 *Prostatic Trouble.*
6 *Gas or pain in the stomach.*
7 *General debility, weakness, dizziness.*
8 *Constipation or liver trouble*
9 *Pain or soreness under right ribs.*
10 *Swelling in any part of the body.*
11 *Palpitation or pain around the heart.*
12 *Pain in the hip joint.*
13 *Pain in the neck or head.*
14 *Pain or soreness in the kidneys.*
15 *Pain or swelling of the joints*
16 *Pain and swelling of the muscles.*
17 *Pain and soreness in nerves.*
18 *Acute or chronic rheumatism.*

This Certificate

Is Good for the Free Treatment if You Write at Once and Send Your Name.

Send No Money and remember that you are under no obligations whatever in sending your name and address. But when you do send your name and address we are under obligations to send you the free trial treatment as promised, and then, of course, as soon as you see the wonderful quick relief this free treatment gives you, you will be glad to recommend the treatment to your friends, who ought not to object to paying for the treatment when the worth of this wonderful treatment (sent free to you) has already been proved in your case. So, if you are wise, you will not delay, but will write at once for this wonderful free treatment. Write to

DR. T. FRANK LYNOTT
3193 Occidental Building, Chicago, Illinois.

FREE CERTIFICATE

What is Your Name? .....
State plainly, Mr. Mrs. or Miss.

Wha is Your Address? .....

What Symptoms Have You? .....
Give numbers from table above—that is all.

What is your Age? ..... Married? .....

Just fill out the above—nothing to sign, you see. Just answer the questions and be sure to give your name and address. The FREE treatment will then be sent at once, prepaid. It will be up to you to say whether you want to recommend it, and you are under no obligations whatever. Cut out this certificate (or write a letter describing your symptoms) and mail to

Dr. T. FRANK LYNOTT, 3193 Occidental Bldg., Chicago

THE LOCAL UNION

FOR THE DISCUSSION OF ALL FARM PROBLEMS
FOR THE ADVANCEMENT OF CO-OPERATIVE FARMING



Up-to-Date Farming

PUBLISHED TWICE A MONTH
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J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

SUBSCRIPTIONS

SUBSCRIPTION PRICE. Two Years for 50c.

FOREIGN SUBSCRIPTIONS, **Including Canada.** Two Years for $1.00.

YOUR ADDRESS should always be written very plainly, including *County*. Do not give street or box number when not necessary to facilitate delivery of your mail. If on a rural route use the letters R. R. before the number.

RENEWALS AND CHANGES. Give the same as before. If a change from one member of the family to another, so state. If you change your postoffice give old as well as new.

IMPORTANT. When writing about your subscription, requesting a change of address, renewing or ordering cancellation, send the printed address from your wrapper. This will help us very much.

THE LATEST DATE shown with your address is the date to which your subscription is paid. Please keep your time paid in *advance*.

ADVERTISING

RATES will be quoted on application.

Only reliable advertisers are admitted to our columns, and we guarantee that they will deal honestly with subscribers. Should they not, we will make good any loss to paid-in-advance subscribers. It is understood that this guarantee is not binding on the publisher unelss you mention UP-TO-DATE FARMING when you write and you report any dissatisfaction within a month of the date of the paper.

Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

OFFICERS

President, J. A. Everitt, Indianapolis, Ind.
Vice-President, W. E. Greilick, Traverse City, Mich.
Secretary-Treasurer, I. C. Rous, Indianapolis, Indiana.

DIRECTORS

President and Vice-President, and the following: N. M. Ashby, Sebree, Ky.; J. M. Myers, Ramsey, N. J.; R. Sherod, Keosauqua, Ia.; W. H. Mitchell, Hutchinson, Kan.; L. H. Johnson, Attica, Ind.; S. W. Morris, Rochester, Minn.

UNION LABEL

THE FARMERS UNION LABEL must be made the strongest link in the chain of organized farmers, as it has been the strongest link in the chain of organized laborers. By the use of the Label an article will be recognized as the product of co-operating farmers, and those who buy farm produce can know when they are patronizing and sustaining organized efforts for improved conditions. Use the label on all the produce you market and on your letters and envelopes.

Prices will be quoted on application.

Minimum Prices, 1909 Crops

Farmers are urged to fix the below prices in their minds and communicate them to their neighbors who may not be subscribers. They are reasonable, fair and equitable, compared with prices placed on other commodities. Farmers should hold for them, ask them, and not sell for less as the world must have ALL the supply and not just part of it, all those who refuse to sell below the minimum prices will get them. A years demand must be supplied over a year instead of a years supply being dumped in a few weeks.

When the price is reached at the base market is the time to sell. The farm price will be the base price less freight and a fair commission to the handler.

WHEAT—No. 2 Red, Chicago, per bu	$ 1.25
WHEAT—No. 1 Northern, Minn., bu	1.25
CORN—No. 2 till Jan. 1, Chicago, bu	.75
CORN—No. 2 after Jan. 1, Chi., bu	.75
OATS—No. 2 White, per bu	.50
BARLEY—Good malting, Chicago, bu	.65
BARLEY—Good feeding, Chicago, bu	.55
RYE—Chicago, per bu	.80
FLAX SEED—No. 2, Chicago, per bu	1.50
HAY—No. 1 timothy, Chi., per ton	15.00
HAY—No. 2 timothy, Chi., per ton	14.00
HOGS—Good to choice, Chicago, per cwt.	$7.50@8.00
CATTLE—Good to choice steers, Chicago, per cwt.	$6.50@7.50
POTATOES—No. 1, Chicago, per bu (Michigan growers set 50c at their station as minimum price.)	.60
BEANS—Prime, white, Chicago, bu.	2.50
COTTON—Middling upland, per lb.	.14
COTTON—Middling gulf, per lb.	14.50
TOBACCO—(Subject to change by	
TOBACCO—(Subject to change by the Burley, Green River and Stemming District Associations)	
—Burley tobacco, average price, per lb.	.15
—Green River dark, average price, lb.	.08
—Stemming dark, average price, per lb.	.10

CHICACO SUBSCRIBERS NOTICE

The streets in Chicago have been renumbered and it is important that our subscription list be corrected. In order to do this and insure prompt delivery of this paper please furnish us at once with

Name of Subscriber.
Old street and number.
New street and number.

And return your address cut out of the wrapper containing this paper.

ORGANIZERS WANTED

The National Union of the Farmers Society of Equity wants more organizers. Write for terms and particulars.

—o—

The more unity of purpose and cooperaion there is in a community the more progressive and prosperous that community is.

—o—

Local Unions of the Farmers Society of Equity will be the stones out of which a new and better American agriculture will be built. Based on Equity in all the business relations of life it will endure forever.

—o—

It is not too late in the new year to resolve to have a Local Union of the F. S. E. this year. But a better resolve is, to have it **NOW.**

—o—

We believe we need make no apologies for asking present subscribers to get new ones for us. We are doing your work and it is a pleasure.

—o—

The potato crop was 365,000,000 bushels in 1909, according to the government report. Growers have been losing 15 cents a bushel so far. If this continues to the end of the crop year it will amount to $56,400,000. That is an awful penalty to pay for neglect to do what all other classes of people have found it to their interest to do.

—o—

Will somebody undertake to organize the potato growers for $56,000,000, or will they organize themselves and hereafter save millions of dollars yearly?

—o—

Don't fail to read with great care the editorial in this number, title, "The Tobacco Growers' Problems." There is an important lesson in it for every producer of crops and a lesson that should be taken to heart by every American farmer and never forgotten.

—o—

Prospects were never brighter than at the beginning of 1910 for a general advance in farm co-operation all along the line. Napoleon, at a decisive point in a battle said: "Up guards, and at them." And so we say to every farmer at this time.

—o—

Listen! We want each present subscriber to UP-TO-DATE FARMING to be a committee of one to take the first step toward organizing a **LOCAL UNION** at his shipping point. Coupons are printed in this issue for free instructions. Cut one out and fire it in before you lay this paper down. That will cost you only a two-cent stamp while the person who is responsible for establishing a Local Union in your community will have done more for its future welfare and prosperity than any other person ever did. Start your Union now and we'll guarantee its permanency. This is a big thing, but when UP-TO-DATE FARMING undertakes it it will be done. Little things, little doubts, little notions, little prejudices must not stand in the way of the F. S. E. and a Local Union at every shipping station. The **money** farmers are all the time losing must be saved, besides you need it for hundreds of other reasons.

—o—

We need not try now to figure out how the habit of dumping a years supply of the most necessary of earth's products in a month, was established; but the Local Unions of the **Farmers Society of Equity** and this paper are going to break it up completely.

—o—

You better not wait until the crops are planted, or perhaps harvested, to organize your Local Union. Do it **NOW.** In a few days we will be ready to send out the first call for the first F. S. E. crop report. It will be sent as private mail and the very best place to prepare the returns will be in a meeting about February 1st. There's plenty of time if you will fire one of the "Free Instructions" coupons in **TO-DAY.**

—o—

Don't entertain the false notion that if the **PRICES** of the crops you grow are **GOOD ENOUGH NOW** there is no good reason for you to belong to a Local Union. That is erroneous. The beauties and benefits of a Local to you, and all the people in your community where the F. S. E. is established, are more than we can describe or enumerate. Following are a few of them that come to our mind at this moment:

1. You will get the exact knowledge of crops planted and crops harvested.

2. You will get the exact knowledge of the demand, where it is and direction to market to prevent gluts and always get profitable prices.

3. A Local Union will establish credit for its members and they can get advances on their crops while controlling them.

4. It will help you greatly in escuring hired help.

5. Community work can be done more on a co-operative basis if there is a Local Union.

6. A Local Union, meeting in its own building, will be an institution that will more effectively tie the boys and girls to the farm because, there will be rooms for them to meet for their own social affairs. Also the certainty of profits in farming and complete independence in business that will result, will supply the incentive to keep the young people on the farms and cause others to seek them.

7. It will supply a long felt need in each neighborhood for the farmers, or their wives, or their children, or all of them to get together for mutual improvement, entertainments, social intercourse and business.

—o—

You better conclude that you need a Local Union and send that coupon for instructions at once.

To save you the trouble to look for it we will print one right here.

—o—

This is the coupon.

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the

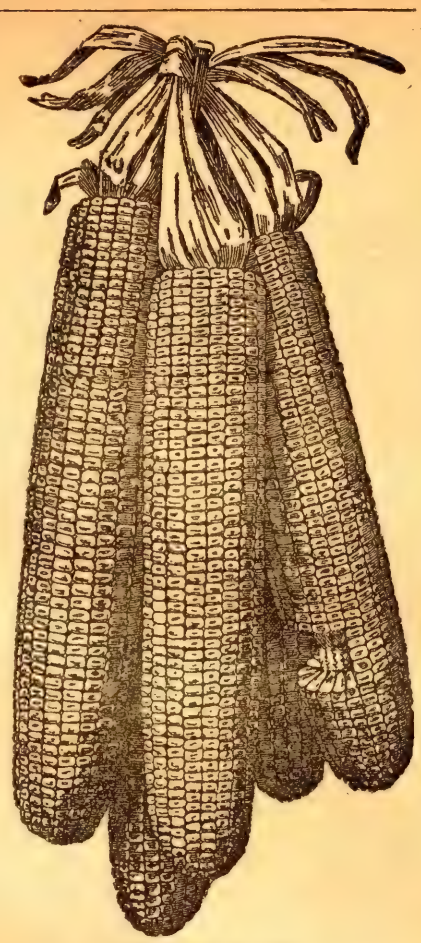
Farmers Society of Equity, at .....

..... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course.

NAME .....

ADDRESS .....



SEED TALK

We want the attention of farmers who desire to plant good seed that will produce the largest yields of best corn, potatoes, oats, vegetables, etc.

Do you realize that the seed has a most vital bearing on your harvest? Not all of course. The weather; the richness of the soil; cultivation etc.—each does its part to put money into the farmers pockets. But with poor seed good growing conditions avail little. It pays to get good seed. Good seed is crop insurance.

For thirty years

O. K. SEEDS

have been planted by thousands of farmers in all parts of the United States. From an humble beginning this seed house has grown to be one of the largest.

Our success has been because of good seeds at right prices.

If you have never planted the **O. K. SEEDS** this is the year to begin. Make 1910 a banner year. **O. K. SEEDS** will help.

We could print hundreds of testimonials — yes thousands from pleased customers, if space permitted. "Celebrated **O. K. Seeds**" have been the standard for father and son in thousands of gardens.

If you like a square deal—

If you want good seeds at right prices—

If you want big crops—

—Send for the catalog of

O. K. SEEDS.

It is one of the handsomest seed books of the year. It has much valuable information besides being a reliable guide for the farm and garden.

WE HAVE A BOOK FOR YOU AND IT IS FREE. SEND FOR YOURS.

A postal card will do. Send today.

O. K. SEED STORE, Dept. A, INDIANAPOLIS, IND.
(Opposite State Capitol)

Important Communication

Local Unions of F. S. E.—Payment of Dues

The attention of Local Unions of the FARMERS SOCIETY OF EQUITY is called to the following extract from the By-Laws:

Annual Dues Paying Date

Art. IV. Sec. 6. When the National Secretary issues a Local Union charter he will place thereon a date which shall be the annual dues paying date for that Local.

Each secretary is expected to keep the dues paying date in mind, see that the members are duly apprised of it and make prompt collections and remittances. The amount for each member to pay is $1.00. Retain 40 cents in the local union treasury and remit 60 cents to headquarters—Farmers Society of Equity, Indianapolis, Indiana—where it will be apportioned to the various funds and the shares to county and state unions remitted to them. The payment of $1.00 includes payment for the official paper—UP-TO-DATE FARMING—one year.

Old Local Unions of A. S. of E.

Old Local Unions of the American Society of Equity that want to come back to the old, effective plan, and connect again with the movement they originally joined will be chartered by the FARMERS SOCIETY OF EQUITY on the payment of dues as explained above for locals of the F. S. E. and report of the officers and members. An additional remittance of $2.00 must be made to pay for Local Union supplies, which will be sent prepaid. Blanks for making report will be sent on request.

New Local Unions, F. S. E.

Where ten or more members can be secured a new Local Union of the FARMERS SOCIETY OF EQUITY should be organized. Each member shall pay $1.00. Send 80 cents of this to headquarters from where it will be apportioned to the various funds and unions, and retain the balance, 20 cents, in the new Local Union treasury. An additional sum of $2.00 must be sent, with the report of officers and members for the Local Union supplies, which will be sent prepaid. Blanks for making the report will be supplied on request.

Covering the matter of eligibility we quote from the By-Laws as follows:

Art. IV. Sec. 1. Local Unions shall consist of farmers and friends of farmers, accepted into the society according to its rules and usages. Each Local Union shall have control of its own affairs and may adopt By-Laws subject only to the Constitution and By-Laws of the higher Unions.

New Members Joining Old Local Unions

These may be admitted on the payment of $1.00 which shall be apportioned, 80 cents to headquarters and 20 cents to remain in the treasury.

Members at Large

Where ten or more members cannot be secured, to organize a Local Union, they will stand as MEMBERS at LARGE. The fee is the same, $1.00, to be sent to headquarters. Any person, anywhere and producing any crops, if he can be reached by the United States mail, can enjoy the full benefits of national co-operation by simply being a member at large so he will receive the official paper, crop reports and advice about markets and marketing.

Organizers

The FARMERS SOCIETY OF EQUITY needs many organizers. Correspondence solicited. Thousands of people can engage part, or all of their time in this movement with profit and the conscienciousness of doing a great work to up-lift American agriculture.

* * *

We have started out to organize a local union at every important shipping point this year—1910. We want each local to own its meeting place and have in connection with it all necessary warehouses, elevators, etc., to control crops until the real demand needs them. We propose to tell all who become interested how to accomplish all these things.

Railroad systems, manufacturing corporations, insurance companies, etc., have their stations, branches, agencies or offices scattered all over the country with one or more person in each to look after their interests. WHY should not agriculture, an industry far more important than any of them, and one that can better afford anything it wants, have stations, or offices that will lead to a definite system of marketing that will cure all the evils that now confront farmers and the handlers and consumers of their produce?

Don't let a single Local Union disband but awaken every sleeping one and be wide awake for the year of greatest results in the history of the Equity Movement.

Farmers Society of Equity
(Headquarters) Indianapolis, Ind.

The Local Union of the F. S. E Is the Farmers Work Shop

YOU Can Organize One at Your Shipping Town
Nothing Will Equal It for Benefit to Your Community

Have You Organized
Your Local Union?

If you have not, send for blanks and instructions at once. Anybody can organize one. Everybody should try to be the first to make the move. Just **YOU** and nine more.

Farmers families must know each other better. The men must co-operate in business. The women must make more of life socially. The boys and girls must get together more for pleasure and improvement.

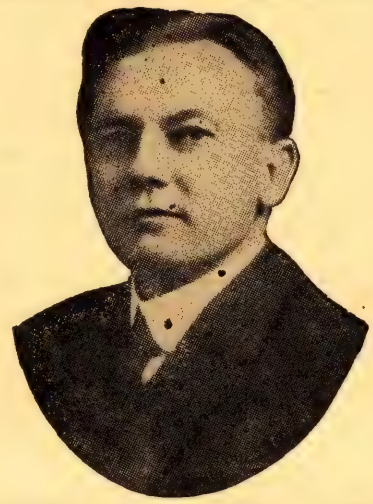
The Local Union is the thing needed.

"Meet me at the Local Union" should be a common telephone call all through rural districts.

Please send for particulars the day you read this. See some coupons printed in this issue, cut one out and mail to us and send the others to distant friends and tell them to send.

FARMERS SOCIETY OF EQUITY, INDIANAPOLIS, IND.

We Will Saturate the Country With Local Unions



EDGAR RUBY HARLAN, of Iowa

This picture was sent to us by Mr. R. Sherod, of Keosauqua, Iowa, a National director of the Farmers Society of Equity, just a few days before we received notice of Mr. Sherod's death. In transmitting it Mr. Sherod said: "Here is a picture of one of my best friends. We speak of brainy men, but what are brains without a great heart except to make cunning people to take the advantage of others. Mr. Harlan is a true friend of the farmers and of our society. He was so pleased with your November 15th number that he took a copy to our governor."

Mr. Harlan holds the position of Curator of the Historical Society of Iowa.

DIED

Mr. R. Sherod at his home in Keosauqua, Iowa, on January first, 1910.

Mr. Sherod was one of the early members of the American Society of Equity and always took a great interest in all of its affairs. He attended its national conventions and the convention at Omaha to organize the Department of Grain Growers. He also organized several local unions near his home and accepted dates occasionally to speak in other parts of Iowa. He was a delegate to the unfortunate 1907 convention and its proceedings bore so heavily on him that he felt it was necessary to leave before the convention closed, to save him from a nervous breakdown. He approved the course taken by a few loyal delegates in holding the second convention to save the principles and plan of the society and ever since has worked for their reestablishment through the Farmers Society of Equity. In the last letter to headquarters of the society he wrote:

"Make the charge to join the society just as low as possible. We must turn on the light and the way to do that is to get UP-TO-DATE FARMING to all the people to educate them. You know old things must pass away and new things take their place. I believe much wrong that now exists must soon pass away through the educational work we are accomplishing."

When we received this letter which was written Dec. 26th we did not think that we would hear so soon that our dear friend had gone where the troubles of earth never go and it was a great shock when his wife notified us on January 2nd.

Mr. Sherod was a large farmer and stock raiser and also had property in the city of Keosauqua, where he resided. He was a National director of the Farmers Society of Equity at the time of his death.

A new publication that will be of interest to the young people on the farm has just been issued by the A. R. Harding Pub. Co., of Columbus, O. It is published weekly, containing from 16 to 32 pages each issue, and contains articles of a general nature, of interest to every day lovers of out-door life. It is most appropriately named Camp & Trail. The subscription price is $1.50 a year, and a sample copy will be sent to any reader of UP-TO-DATE FARMING for 5c. To those interested in hunting and trapping no publication can be of such vital importance. Its fur market reports are alone well worth the price. Send 5c today for a sample copy.



THE SHIFTLESS MAN
Mother takes in washing so does sister Ann
That song was certainly written just for you
You're able and strong to help them along,
And always are going to but never do

CLOSE FIST
You claim your households extravagant
And blame it on your poorly dressed wife
It hurts you to part with your money-
For even the necessities of life

THE MASHER
All the maids you meet upon the street
You mash with your bleary ogling eyes
To give a ten dollar bill to mash your face
And jig on your stomach for exercise

D — FOOL
You're just a general all round darn fool
I cant think of any other names
It hurts me to see you used as a mark
Get busy! wake up and dust your brains!

LOVESICK GIRL
Hes not a God nor a Gibson Man.
This knock kneed mollycoddle you adore
Youll wake up after youve married him-
Twould be better if you woke up before

BOSS OF THE HOUSE
You're a saint on the outside
When your familys not near.
But at home you're a demon.
Whom they all hate and fear

You look so bored that Im afraid to buy
Im so abashed I want to run.
I hate to disturb one so dignified
Whos only working there for fun

SALESLADY
As you wait upon the women
With disgust upon your face,
The way you snap and bark at them
One would think you owned the place

GET a set of my comic VALENTINE POST CARDS and have a lot of fun sending them to your acquaintances to remind them of their frailities and peculiarities. There are 25 cards in the set. Each one is a "Peach." They are gaudily colored and unequaled in portrayal of the different types of men, and women too, in pictures and verses. Besides the titles printed above, others are as follows:

"The Fat Man," "Fisherman," "Cornet Player," "Bow Legs," "Singer," (male), "The Wife Beater," "Henpecked Husband," "Proud Father," "Miser," "The Hypocrite," "Talking Machine Crank," "Cigarette Fiend," "The Tobacco Chewer," "Jealous Man," "The Cook," (female) "The Drunkard," "Pleasant Saleslady," and "The Dude."

MY OFFER Send 30 cents and I will send UP-TO-DATE FARMING one full year, (new or renewal) and the full set of 25 Comic Valentine Post Cards. I will also send my list of exquisite, artistic Valentine Post Cards expressing sentiments of love and affection, with samples. This is the most superb line out. Executed in 12 printings and embossed, 66 subjects to select from. Everybody delighted, I will tell you how you can get what you want for a little favor.

Use the Coupon.

J. A. EVERITT, Editor, Indianapolis, Ind.

COUPON. CUT OUT

J. A. EVERITT, Editor,
Indianapolis, Ind.

Dear Sir:—Enclosed is 30 cents. Please send UP-TO-DATE FARMING one year and 25 Comic Post Cards as offered. Also send your list and samples of other Valentine Cards.

My Name .....
New or renewal....
My Address .....

$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K312 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

To FAT People FREE



SHOWING REDUCTION OF 141 POUNDS.

Mrs. N. J. Essary writes: "*When I began the Dr. Bradford treatment, I weighed 271 lbs., now I weigh 130 lbs. Am in better health than for years.*" **I will send** full testimonials with names and addresses of a legion of men and women whose weight has been reduced the extent they desired, also a **FREE PROOF TREATMENT** and **BOOK OF ADVICE** TO FAT PEOPLE, all free in plain wrapper, postpaid. **Costs absolutely nothing;** a post-card will bring all. Address: **DR. BRADFORD, D 96 Bradford Building, 20 E. 22d St., New York.** (*Licensed physician by the State of New York.*)



GET IT NOW
One of the Best
EYE and EAR
Books Ever Published
I Send It Absolutely
FREE

My book is handsomely bound in cloth and contains 160 pages of most valuable information. Full from cover to cover with interesting information concerning the Cause and Cure of Eye and Ear Troubles.

The book tells how to test and care for the Eye and Ear. Illustrated charts are shown and methods for testing the sight and hearing are given and remedies suggested. Send for this book for yourself or a friend. Don't delay—do it at once.

F. GEO. CURTS, M. D.
678 Gumbel Bldg.
Kansas City, Mo.

BLINDNESS DEAFNESS AND CATARRH
THIS ILLUSTRATED BOOK FREE

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the

Farmers Society of Equity, at .....

..... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course.

NAME .....

ADDRESS .....

THE FIELD

Up-to-Date Farming will publish short letters from members and subscribers relating to matters of general interest. They may be reports of meetings held or to be held; companies formed to build warehouses or elevators for storage of crops; views on any current topic, etc.

HAS THE SELLING PLAN IN MIND

I am sending you a form of check which I think would eliminate every chance for fraud by everybody connected with the sale of the Farmers Society of Equity produce by the Equity plan. If this check were adopted, I believe it would create more confidence in the business end of our society than any other plan of settlement for crops would. It would make it positively certain that only the farmer who contributed the shipment would draw the money for it.

I was connected with the equity movement in 1907 and spent much time and some dollars, only to have the Gang undo my work.—Burr Nicola, Fort Plains, N. Y.

PRAYS FOR HEALTH AND STRENGTH

I write you this letter expressing my feelings toward you and the grand efforts you have made through your little paper, UP-TO-DATE, for the real good of the farmers of this country. Future generations will rise up and call you "Blessed UP-TO-DATE," little in size, but wonderful in results. It expresses more for the farmers good than all the rest.

Dear Mr. Everitt, I may not live to see the completion of your grand work, but my sincere prayer is that God may spare your life and give you health and strength to see the full completion of your work.

From an old friend,
W. L. GORDON, Cozaddale, O., R. 1.

HOLDING BACK THE WHEAT

The following article taken from the Northwestern Miller we print with three objects in mind. First it vividly presents the condition of wheat growers in the spring wheat states; second, it is a complete confirmation of our predictions of seven years ago that the new plan of marketing taught by this paper would bring all the blessings enumerated. And third as a warning to farmers everywhere to not fall into the great error charged to Russian farmers.—Ed.)

Millers in the Northwest are realizing with increasing force that the farmers are holding their wheat back from market, and those who desire to form a correct and intelligent view of the probable future of the spring wheat flour trade should take this important and comparatively new factor into consideration.

Industrially and financially, the position which Northwestern farmers are now taking, with the evident intention and ability to maintain, is most significant. It marks the dividing line between the pioneer and the established agriculturist, and shows that the great spring wheat states have, at last, reached the point in their development where it is no longer necessary to live from hand to mouth.

Mortgages on farm lands have been paid off, machinery has been bought and finally paid for; the farm having been amply equipped, the home next received attention, and its needs supplied; even the demand for motor cars has been partially satisfied, and the fortunate farmer now finds himself, after several very prosperous years, in a position where there is no reason why he should not hold his wheat if he believes that by so doing he can get a better price for it.

He has learned by experience that a congested market is always a poor one, and he has been taught to believe that if he will let his supply go to market gradually it will average a better price. At any rate, he is in a position so well fortified that he can make a practical test of the theory, and this he is evidently proceeding to do.

It goes without saying that to have attained this enviable position is a matter of congratulation, not only for the farmer but for the state; he and it are stronger and better for the resource of grain supplies within reach. Whether the next stage in the development of the country will be equally satisfactory depends on the character of the agriculturist. If he should become surfeited with ease and comforts and relax his efforts to get the best there is out of his land, he and his state will deteriorate.

At one time, that portion of Russia which now suffers periodically from famine was the producer of an enormous quantity of wheat and its people were so wealthy that, during the Crimean war, landlords found no difficulty whatever in borrowing from the peasants sufficient funds with which to equip the regiments that were sent to the front. Today, in the same territory, the people are chronically poverty stricken and require aid almost every season, while their crops have become poor and uncertain.

This is not due entirely to bad government, for in the time of prosperity the local government was even more badly administered than now. Prosperity bred carelessness. No attention was paid to renewing the land or improving the seed. Gradually the crops deteriorated, and the people grew poorer, until, suddenly, reserves became exhausted and want stalked through the once prosperous fields.

It is not probable that any American farmer will be so short-sighted as this, especially in the Northwest, where the climate is not conducive to sloth or deterioration, yet prosperity is not as great a stimulant toward ambition and thrift as necessity, and the northwestern farmers have already shown some inclination toward slovenly farming and the introduction of cheap and inferior wheats.

As to the effect upon the flour market, it is apparent that, if the farmers are able to pursue their present policy throughout the year, as seems probable, it will prevent heavy breaks in the market from time to time, such as eastern buyers have always counted upon and still anticipate; a greater steadiness and uniformity in prices; a gradual and even movement of the wheat, and the preservation of more normal conditions throughout the year, from crop to crop. This will not work to the disadvantage of the miller, nor yet to the non-speculative flour buyer. No good purpose is accomplished by great fluctuations in value, and certainly the country that is able to retain its supplies of wheat within its own borders, instead of being forced to rush them abroad to meet obligations is, generally speaking, in a strategically strong position. Altogether, therefore, from the farmer's and miller's and even the flour buyer's point of view, the present policy of the northwestern farmers is a desirable one.

Straight From Subscribers

What Subscribers think of UP-TO-DATE and the Beautiful Post Cards we gave them.

I am well pleased with my cards and hope the subscribers cards will be as nice. —Mrs. A. S. Mohler, Hartville, Ohio, R. 2.

All that see the cards say they are lovely.—Blanche Aska, Rushville, Neb.

My cards received. Think they are very beautiful. Many thanks.—Mrs. Sarah Acker, Rushville, Ill., R. 3.

The people think your paper and cards are about all right and so do I.—Beulah B. Jackson, Palestine, Ill., R. 1.

I received the cards and think they are pretty. Will do all I can for your paper.—Mrs. Sid Clark, Taft, Cal.

My school mate was helping you and got nearly all of the people in our neighborhood. I feel so proud of the thanksgiving cards that I cannot praise them enough in writing. They are just something wonderful. I never had so much faith in any offer like yours before. Those beautiful cards bring friendship and happiness in every home.—Ethel Arnold, Peoria, Ill., R. 4, Bx. 56.

I write to thank you for premiums received. Am delighted with my album. Put in my African cards and finished out with the mixed cards that I received with the album.—Marie Chandler, Harbor Springs, Mich. R. R. 2.

I received the Post cards and samples of your paper and was highly pleased with with the paper and cards. I have secured trial subscribers as you will see on the list enclosed and hope they will decide to take your paper yearly. Would like to see your paper in the home of every farmer and orchardist in this state.—Mrs. I. Z. McCann, La Mesa, Cal.

After reading your paper for a month, I think it is an ideal farm paper. The general principles for which it stands are so good. I will enclose 50 cents for two years subscription.—Thos. M. Boroughs, Anderson, S. C.

My son sometime ago subscribed for UP-TO-DATE FARMING and I have been reading the paper and think every farmer ought to take it. I will try to get you some subscribers.—G. H. McGinnis, Sanoma, W. Va.

Your cards were received and thank you very much for them. The fifty cards were exactly as you recommended them to be, and the five subscribers were very much pleased to get the cards Anyone would have to pay five cents apiece to get such cards here in New Milford. We all thank you very cordially and I think you are a firm that sticks to your word.—George A. Ward, South Kent, Conn.

The subscribers which I got for you received their paper and premiums and are highly pleased with them. I am pleased with my premium, the 50 cards received, and I wish to get more subscribers for you and receive 42 Thanksgiving cards as a premium.—Maggie Haller, New Hanover, Ill.

Please accept 50 cents for your paper, UP-TO-DATE FARMING. Also the postcard album and 50 post cards, which you promise. I received the 15 cards some time ago and think they are just fine. Cannot see how you can give so much for so little money. Thanking you in advance for your kind offer.—Mrs. Frank Swanson, Tray, Mont.

Received two copies of the paper and read them both through, advertisements and all. I had no idea that UP-TO-DATE was anything like the paper it is. If I get the right sentiment out of it, it stands for the common people, the real farmer, of which I am one. I never read a farm paper that appealed to me as the UP-TO DATE does.—Yours for success, John H. Sell.

Enclosed you will find five new subscribers. Send them your paper. I want them to read a good paper once in their lives. I just think it is the best paper I ever read.

Yours truly,
E. P. WORDFIN, Nuckels, Va.

IN INSUFFICIENT ADDRESS ORDERS

Following we print a list of orders we have received with insufficient addresses. We hope through this publication to reach many of the senders.

Mrs. Rebecca Walter, 25c.
Verna Vandaveer, 50c.
John M. White, 50c. (Mr. Write wrote "I can't do without your paper.") But he probably will if he does not send his P. O. and State.
Mrs. Emma Calkins, 25c.
T. H. Root, 25c.
Miss Helen Taris, 25c.
Mrs. Geo. E. Kriebler, R. R. 2, Northumberland Co., Pa., 25c.
Christian Chirker, 50c.
No name, 25c.

When writing about above be sure to state amount sent, what for and say "Advertised."

The Greatest Corn In The Country

FARMERS INTEREST WHITE DENT

This corn has won more prizes than any other variety ever grown. It has made a county in Indiana the banner corn county of the world, and has earned for its originator the title of "Corn King of America." Among prizes won are gold and silver medals at Paris World's Fair in 1900, first prize at St. Louis World's Fair in 1904, Grand Sweepstake prize ($1,000) at the National Corn Exposition at Chicago, 1907,

GRAND SWEEPSTAKE PRIZE ($1,000) AT THE OMAHA EXPOSITION, 1908 and again in 1909.

Also district, state, county and other shows almost beyond number.



Description: Farmers Interest is a thoroughbred corn, the result of many years of scientific breeding. Grain white, deep, sometimes ½ to ¾ inch in length and sound. Ears grow large to very large, 18 to 20 rows. The cob is just right to hold the long grains and to make such large ears. Ears of Farmers Interest corn frequently shell a pound of corn each and the cobs from a bushel of ears weigh only 8 to 12 pounds. A strong grower as it is a large rooted variety and withstands drought well. Stalks are close jointed, leafy and strong.

The average weight of the common run of corn is only 8 ounces. Farmers Interest corn weighs about 12 ounces. This means in a state like Illinois, which produced 298,000,000 bushels of corn in 1908, an increase of 149,000,000 bushels if all the farmers planted Farmers Interest. Of course only comparatively few of them are enterprising enough to do this which is the particular reason why YOU should plant it.

We want to tell you that 25 *cars of Farmers Interest corn were awarded a National Prize of* $1,000 *and sold for* $150.

Every farmer knows it pays to plant good seed. They also know it is very necessary to change their seed occasionally. If by changing seed to a better variety you can increase the yield 10 bu. per acre, it means the payment of the rental of the land over and above your regular crop. An increase *of 15 to 25 bu. per acre is not an impossibility.*

PRICE: Sample ear, 30c; pkt., 10c; 1 qt., 50c; 2½ qts., $1.00, all by mail postpaid. By freight or express, ¼ bu., $1.00; ½ bu., $1.50; 1 bu., $2.50; 1 bag, (2½ bu.) $5.00. One peck, costing $1.00, will plant two acres. If you will not plant a field, then plant a two-acre plot and have future seed and to sell.

Garden, Field and Flower Seed Catalog free.

O. K. SEED STORE, Dept. F A, Indianapolis, Ind.

LADIES SOCIETY of EQUITY

President, Mrs. James Howey, East Jordan.
Vice-President, Mrs. M. N. Drake, Trufant.
Secretary, Mrs. Bertha Hammond, Traverse City.
Treasurer, Mrs. Nellie Thompson, East Jordan.

LADIES SOCIETY OF EQUITY

THE Ladies Society of Equity sends this New Year Greeting to all the farm ladies in the country. We present herewith our badge or emblem, just adopted, and we want to see every farm woman wearing one. It is a badge of co-operation among women and all must admit that the success of country life, in all its aspects, depends in no small degree on what the women do. Therefore, sisters, on the farms, we want you to be our sisters in **EQUITY** and co-operation. Let us all unite in a National Ladies Society of Equity when we can help ourselves and our husbands and sons, more. The society we have started here in Michigan will meet the requirements of the farmers wives and daughters everywhere. The five pointed star, as in our badge, betrays our purpose. There are four points representing the four points of the compass as we hope to cover the earth and one pointing to heaven where we are all bound for. We seek for **EQUITY** to prevail on earth as it does in heaven. Let this be your New Year resolve: "I will join the Ladies Society of Equity and work all through this year to improve living in my own home and in all the farm homes in the country."

Terms of admission sent on request.
—Mrs. James Howey, East Jordan, Mich.

LADIES SOCIETY OF EQUITY NOTES

The fourth local convention of the Ladies Society of Equity will be held on the second Tuesday in January, at the home of Mrs. John Schreoder in Echo, Antrim County, Mich. These local conventions are held every third month and are well attended by the farm women. It is expected that the coming convention will be a good one. The parliementry drill and a series of questions on the teachings and principles of equity, is being prepared by the president. Also an entertaining program.

THE GOLDEN ROD LOCAL, L. S. of E. have held some interesting meetings. One was the meeting before Thanksgiving, held with Mrs. Fox, East Jordan. This meeting opened with Thanksgiving exercises, in singing and Bible reading. Roll call was answered by thanksgiving verses. After reading of minutes and report of committees the order of business was suspended, and the Thanksgiving program was carried out.

Song—"Glory of Equity" by Mrs. Shepard and Marcia Lanway.
Thanksgiving Proclamation—Mrs. Howey.
Thanksgiving Turkey—Mrs. Shepard.
Thanksgiving Pumpkin—Miss Thompson.
Ted's Thanksgiving—Mrs. Howey.
Equity Song—"Oh, Why Are You Waiting."
Game of Proverbs was played, causing much amusement. After adjournment the local was treated to a Thanksgiving lunch.

This local also held a potato growers supper in November at Mr. Wm. Bennett's, and a contest on big potatoes. This was won by Miss Marcie Lanway and she owns a fine new potato book.

The ladies local voted the proceeds of this supper over to the East Jordan, to which the Golden Rod local is auxillary, and they have in many ways helped this local. Every local of the F. S. of E. should urge their ladies to form a local in the Ladies Society. This will be an auxillary to them, and a strong support. Just try the plan.

GOOD CHEER

E. D. Gee, Tennyson, Ind. Dec. '09.

While Everitt in his UP-TO-DATE,
Is printing letters good and great,
I thought perhaps he might print one
Appropriate from Tennyson.

Our Tennyson's a thriving town,
Where push and pluck hath much renown;
We are trying hard to cultivate
Seed sown by Everitt in UP-TO-DATE.

We've built a huge tobacco barn
To store the products of the farm;
We put our products in a pool
And not like dumpers act the fool.

While learning to co-operate,
We're also learning to rotate;
We fill our barns with wheat and maize,
And set our price on what we raise.

Our merchants, men of enterprise,
Helped farmers here to organize;
And when from speculators free,
They all stand up for Equity.

Though conspirators may beguile,
Some farmers yet a little while;
Where seeds of Equity were sown,
Farmers are coming to their own.

Then I would say to all, good cheer,
Stand by your guns another year;
Read UP-TO-DATE, get such advice
As will make your homes a paradise.

And claim this promise, God will bless
Who help the needy in distress;
And when the worthy make a call,
Be ready quite to help them all.

Took Pride in His Work

No matter what work one may do, he will succeed best who takes pride in it. Robert Henri, the artist, was once in a crowd at a private view of new paintings, and stopped before a portrait by Sargent. A big, brawny man, not at all like an artist, seemed interested in the same picture, and murmured to himself: "They have given me a good place at last!"

This interested Henri, and he asked: "Are you in this kind of work?"

"Sure!" was the reply, "and have been for twenty years, and this is the first time they have given me the place I deserved."

"And where is your work?" asked Henri, now thoroughly interested in his unartist-looking neighbor.

"Right there," sad the man, pointing to Sargent's painting.

"No," sad the astonished Henri, "that was painted by Sargent."

"I don't care who painted it," said the man, "but I made the frame, and it deserves to be right there."

FARMERS ATTENTION

Every farmer: To prosper and Grow Rich should grow bigger and better crops. **Good Seed** and **Good Varieties** are the foundation of the crop and the road to **Prosperity** and **Wealth.** The Ratekin Seed House will mail **Free** a copy of their Big Illustrated Farm, Field, Grass and Garden Seed Catalog to every Subscriber of this paper; also **Three Sample Varieties** of Seed Corn, consisting of Iowa Silver Mine, Pride of Nishna, Diamond Joe's Big White, Iowa Gold Mine, Queen of Nishna, Early Wisconsin Yellow Dent (No. 8) North Star (Wisconsin No. 11) or Golden Glow (Wisconsin No. 12). For more than three samples enclose two red stamps for each sample.—Address, Ratekin's Seed House, Shenandoah, Iowa, Box No. 387. Write today.

JUS' KEEP ON KEEPIN' ON

If the day looks kinder gloomy
An' your chances kinder slim,
If the situations puzzlin'
An' the prospects awful grim,
An' perplexities keep pressin'
Till all hope is nearly gone,
Jus' bristle up, and grit your teeth,
An' keep on keepin' on.

Fumin' never wins a fight
An' frettin' never pays;
There ain't no good in broodin' in
These pessimistic ways.
Smile jus' kinder cheerfully
When hope is nearly gone,
An' bristle up, and grit your teeth,
An' keep on keepin' on.

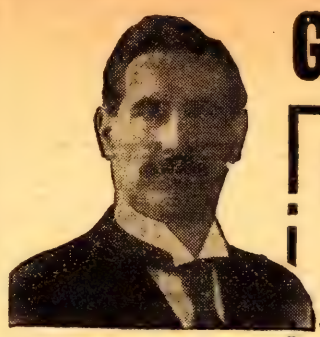
There ain't no use in growlin'
An' grumblin' all the time,
When music's ringin' everywhere,
An' everything's a rhyme.
Jus' keep on smilin' cheerfully,
If hope is nearly gone,
An' bristle up, an' grit your teeth,
An' keep on keepin' on.
—*Selected From Backbone.*



$1.00 Package Free

Quickly restores gray or faded hair to natural color, removes dandruff, stops falling hair and itching scalp. Grows new hair and makes the hair of man, woman or child heavy and beautifully glossy.

Simply send your name and address to J. F. Stokes, Mgr., 9434 Foso Bldg., Cincinnati, Ohio, and enclose 10 cents in stamps or silver as an evidence of good faith and to help cover packing, postage, etc., and a full $1.00 package will be sent you at once by mail postpaid free of charge.



GALLOWAY SAVES YOU $50 to $300

If You Answer This Ad

Cut or tear out this coupon—or write a postal or letter—and send your name to me before you buy any kind of a gasoline engine—keep $50 to $300 cash in your own pocket, in savings, and get a better engine—you be the judge and jury. I promptly quote you prices direct from my factory to you—also send you my big, free engine book and special proposition. Address

William Galloway Company, of America
505 Galloway Station, Waterloo, Ia.

Name.....

Town..... State.....

This small advertisement will make you big money if you send me your name. I can only tell you a few words here, but the Farmers of America know that what I say I will do—I DO.

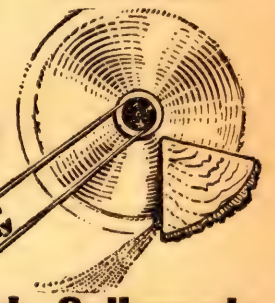
William Galloway, President

I Promise You—

The best—most practical—not complicated like others, but most simple, dependable and easiest to operate gasoline engine, of 2 to 22-H.P., in the market today. Only 4 quick, simple operations to start instantly. Comes complete to start working—(1) turn the gasoline on—(2) turn on oil—(3) turn on battery—(4) give fly-wheel a whirl—that's all. She's started. Ready to work day and night. Stops by twist of your thumb. No smoke. No steam. No soot, cinders, fire or flame. Perfectly safe. Women, boys or girls can run it. Just investigate

GALLOWAY GASOLINE ENGINES 2 TO 22-H. P.

5 Years' Guarantee—30 Days' Free Trial—Highest Quality—Interchangeable Parts—All-Steel Heavy Crank Shaft—All-Steel Connecting Rod—Hard-Oil Cups, etc. See Free Catalog.

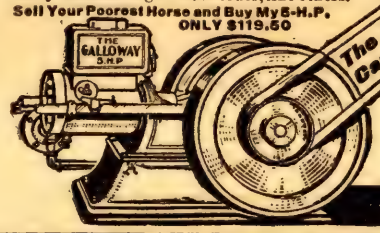


Save all dealers, jobbers and supply-house profits. We turn them out in such tremendous quantities, all alike, by automatic machinery, that we can sell you any Galloway engine, direct, at less money than merchants, dealers, jobbers, etc., can buy inferior or similar engines for, in car-load lots for spot cash. Buying from us you get the material at actual cost, labor at just what we pay on pay-roll and one very small profit, based on our tremendous output.

You do not think anything of buying a horse. Be practical, then, and join the Galloway crowd of practical farmers (over 40,000 strong) and let me send you, for only $119.50, the best all-around 5-H. P. gasoline engine made on the American Continent. I recommend my 5-H. P. Do not make the mistake of buying too small an engine. Never buy a cheap-built engine. I can send thousands of testimonials. Here is one:

A. C. Anderson, Spencer, Ia., wrote me Aug. 15—"My Galloway 5-H. P. will do any farmer's work—would rather have it than other makes that cost $250 for same power, as it is so simple, not so many trinkets to get out of order, like others.

Sell Your Poorest Horse and Buy My 5-H.P. ONLY $119.50



The Way To Big Profits—You Can Make $5 To $10 Per Day

Get Galloway's Biggest and Best FREE GASOLINE ENGINE BOOK

Write today for my beautiful, new, 50-page engine book in 4 colors, nothing like it ever printed before, full of information, showing how I make them and how you can make more money with a Galloway gasoline engine on your farm. Write—

Wm. Galloway, President
THE WILLIAM GALLOWAY COMPANY, OF AMERICA
Capital $3,500,000.00
505 Galloway Station, Waterloo, Iowa

IMPERIAL STEEL RANGE ON FREE TRIAL



To prove its wonderful Work in Baking, Cooking, Fuel Saving, an absolutely Free Trial Offer. Freight Prepaid by us. Write for book.

The Old "Dutch Oven" Restored and Modernized in this Remarkable Range.

In the Imperial Range we have brought back to life the famous "Dutch Oven" of old Colonial Days. No other range at any price, has this surpassing advantage. None does such perfect work. The even heat of the solid slab of stone insures even, thorough baking of bread, pastry, etc. Roasts meat to perfection. Easy to manage. Saves half your fuel bills. Burns coal or wood.

Other Exclusive and Important Features with the "Imperial."
Odor Hood, Oven Thermometer, Money Saving Ash Sifter, Pouch Feed, Porcelain Lined Reservoir, Towel Rail, Duplex Anti-Clinker Grate, Blue Steel Body, Asbestos Lined Flues, and many other improvements.

Direct from factory, at wholesale price; you save the Jobbers' and Dealers' profits. Easy Credit Terms if wanted. Write TO-DAY for big catalog, and special prices.

THE IMPERIAL STEEL RANGE CO. 425 State St., Cleveland, Ohio

ALWAYS WITH US

An inquirer wants to know where the liars go to, but up to date there is no evidence they have gone anywhere.—Omaha Bee.

NEGRO TURNS SUMERSAULT

Down in Arkansas, it is reported that a tree fell across a section of Page Fence and a lazy negro squatted on the flattened fence, watching a farmer saw the tree in order to release the fence. Suddenly the saw cut through the tree and biff! The Page Fence sprung back into its upright position with such force that the negro turned a complete somersault and then dashed for the tall timber as if pursued by old Satan himself.

The Times Square Automobile Company with distributing depots at New York, Chicago, St. Louis and Kansas City, the largest firm in the world dealing in new and second hand automobiles, will open their fifth branch house at Philadelphia, at 238-240 North Broad Street, the site of the pioneer Packard agency in the Quaker city. These new show rooms and repair shops have some nine thousand square feet of floor space which will be fitted up with the most approved machinery and auto appliances and promises to be one of the handsomest motor marts in Philadelphia. An immense stock of new and thoroughly overhauled used cars will be carried in stock in this new distributing depot.

Stomach Troubles Vanish Like Magic

FREE to Every Man or Woman



Dr. Young's **PEPTOPADS** cure where medicines alone **fail.** They regulate the bowels, relieve soreness, and strengthen the nerves and muscles of the stomach in either sex. You can eat what you want and all you want without fear of distress. The cures effected are marvelous. If you have **Dyspepsia, Indigestion, Sour Stomach, Distress after Eating, Nervousness, Dizziness, Heart Fluttering, Sick Headache,** etc., send **10c** to cover cost of mailing, and I will send you a **$1.00** treatment absolutely **free.** It will relieve you immediately. Address **DR. G. C. YOUNG, 35 National Bank Building, Jackson, Michigan.**



SUPERFLUOUS HAIR
PERFECTLY REMOVED.
I have a **GUARANTEED** safe and positively **SURE** way to take hairs off face, arms, etc., like Magic. I HAVE THE TRUE SECRET. Write for information. I send it sealed **FREE.** Address **HELEN DOUGLAS, 20 E. 22 St., New York**

TAPE-WORM EXPELLED WITH HEAD, GUARANTEED. BOOKLET FREE. BYSON FIELD & CO. 182 STATE STREET CHICAGO, ILL.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 4c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Agents Wanted

AGENTS—Handy Hame Fastener. Every horse owner buys at sight. 200 per cent. profit. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

Books

SWEDENBORG'S "Heaven and Hell," 405 pages, postpaid Fifteen Cents. Stamps taken. Pastor Landenberger, Windsor Place, St. Louis, Mo.

Correspondence Schools

DON'T PAY $20 to $30 for Real Estate, Insurance and Brokerage Course. I sell one for $2.50, same as sold by certain company at $20 or money back. D. W. Edmonds, Youngstown, Ohio.

WANTED IMMEDIATELY—Railway Mail Clerks, Custom House Clerks. Many spring examinations everywhere. Salary $600 to $1,500. Steady work. Short hours. Annual vacations. Salary twice monthly. Thousands of appointments during 1910. City and country residents stand equal chance. Common school education sufficient. Political influence not needed. To advertise our schools we are preparing candidates free. Write immediately for Schedule showing dates and places of the Examinations. Franklin Institute, Dept. O. 29, Rochester, N. Y.

Cutlery

SEND NOW. Kitchen Set No. 23, Butcher, Bread and Paring Knives, worth 60c. Postpaid 38c. Get our bargain list of High Grade Warranted Cutlery. The Edwards Co., Westerly, R. I.

Farm Lands For Sale

FOR SALE—Southeast Mo. Mississippi Co., rich re-claimed, drained lands will produce fine wheat, corn, alfalfa, red clover, timothy, stock or field peas, all kinds of vegetables, fruit, a good stock country; water 20 to 25 feet deep. When looking for a location why not investigate our lands? Located just south of Illinois; mild winters and good healthful climate. For particulars and prices write for descriptive folder; it is yours for asking; we can please you. Address M. W. Mayes, Charleston, Mo.

MICHIGAN FARMS, all descriptions; postal brings catalog. Isaac Kouw & Co., Holland, Mich.

MILLION ACRES Texas School Land for sale by the State; $1.50 to $5.00 per acre; only one-fortieth cash, 40 years on balance; three per cent. interest; good agricultural land; some don't require residence; send 50 cents for 1910 Book of Instructions, New State Law and description of lands. J. J. Snyder, School Land Locator, 536 Congress Ave., Austin, Tex. Reference, Austin Nat. Bank.

WHY BE A SLAVE—Buy a farm in southern Illinois. Improved lands $50 to $75 per acre, any size farm. Easy terms. An acre of cucumbers, melons, all kinds of berries and potatoes will earn $200 to $500 net. Corn, oats, wheat and all kinds of vegetables easily grown. For particulars, write SOUTHERN ILLINOIS REALTY Co., Dongola, Ill.

YOUNG MEN WITH SMALL CAPITAL—Good profits await you in sunshiny, mild climate; Vancouver Island offers opportunities in business, professions, fruit-growing, poultry, farming, manufacturing, lands, timber, mining, railroads, navigation, fisheries, new towns. For authentic information, free booklets, write Vancouver Island Development League, room B 66, Law Chambers bldg., Victoria, B. C.

Farms Wanted

WANTED—Farms and businesses. Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, Minneapolis, Minn.

WE CAN SELL your property. Send description. Northwestern Business Agency, Minneapolis.

Fencing and Posts

FENCE POSTS—Red cedar. Three car loads direct to farmers. Write today for prices. J. J. Alley, Bristol, Tenn.

UP-TO-DATE MOVABLE FENCE PANEL—You make it at home out of old material. Storm proof. Set a rod a minute. Mad River Fence Co., West Liberty, Ohio.

Ferrets

5,000 FERRETS for sale. Write for price list. It's free. Safe arrival guaranteed. De Kleine Bros., Jamestown, Mich., Box 80.

For Sale—Tobacco

30,000 POUNDS leaf tobacco for sale. Send stamps for sample to Anton Wavrin, R. R. 5, Box 34, Franklin, Ky.

Ginseng

GINSENG is one of the best paying crops grown. Write for prices. Ginseng Culture free. W. N. Long, Florence, Ky.

Machinery

OUR GASOLINE ENGINES save you money in both cost and running expenses. Engine Factory, Marcellus, Mich.

Nursery Stock

STRAWBERRY Plants. Best Varieties. Catalogue Free. Basil Perry, Cool Springs, Delaware.

Paint

EVERY FARMER in the United States needs at least one gallon of Chrisman's XX Paraffin Paint to cover farm wagons, tools, and machinery, silo, wooden tanks to keep them from shrinking. Answers a better purpose than a wagon house as the tools are always under cover. It absolutely sets the tires on your wagon wheels. It defies the elements. Corporations buy it in car lots. Agents wanted. Paraffin Paint Works, Eldred, Pa.

Patent Attorneys

ADVICE and book relative to patents sent on request. Beeler & Robb, Patent Lawyers, 60-62 McGill Bldg., Washington, D. C.

PATENTS—Books free. Rates reasonable. Highest references. Best services. I procure patents that protect. Watson E. Coleman, Washington, D. C.

"PATENTS THAT PAY"—Protect your idea! 2 books free: "Fortunes in Patents—What and How to Invent," and 61-page Guide. Free report as to patentability. E. E. Vrooman, 838 F St., Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

FOY'S BIG BOOK—Money in poultry and squabs. Tells how to start in small and grow big. Describes largest pure-bred Poultry Farm in the world and gives a great mass of useful information about poultry. Lowest prices on fowls, eggs, incubators and brooders. Mailed for 4c. F. Foy, Box 45, Des Moines, Iowa.

30 VARIETIES: Geese, Ducks, Chickens. Catalogue free. Minkel & Co., Mapleton, Minn.

TURKEYS, Narragansett, Bourbon Red, White Holland, Mammoth Bronze. Write S. Durigg & Son, Armstrong Mills, O.

Printing

PRINTED ENVELOPES for ten minutes work. Write Emil Anderson, Kewanee, Ill.

Produce Commission Merchants

TAKE NOTICE—Poultry, eggs, apples, potatoes, sold car lots or less. T. J. Hoover, 344 N. Water St., Philadelphia, Pa. Write for prices. Established 1875.

Situation Wanted

EXPERIENCED, honest, sober and industrious farm hand wants position anywhere to take charge and act as foreman in general farming. C. B. Woodlin, Dias Creek, N. J.

Miscellaneous

NI-KO FOR TOBACCO HABIT—Send your name only. Safe, sure, permanent. King Ni-Ko U., Wichita, Kansas.

WRITE THE ADVERTISERS

Whose announcements you find in Up-to-Date Farming. You will profit thereby and it helps both the Advertiser and the Publisher.

GAMBLING AND FUTURE PRICES

(Concluded From First Page.)

not to be calculated upon under any conditions. It absolutely nullifies the law of supply and demand, and makes prices depend upon the ability of one side of the deal to outbid or outgeneral the other.

And while producers are forced to accept prices so made, consumers are at the mercy of the same set of gamblers, and are compelled to pay prices that fill the same unscrupulous pockets. We shall watch with no little interest the action of congress in this matter; but we shall expect all sorts of pleas of personal liberty, private business, and vested rights. When one evil is attacked all the other evils feel themselves prodded and hasten to the rescue, especially when the worshipers of greed are affected.

Our advice is now as it always has been, to not depend very much on congress and to not wait for congress to act. But let farmers get together—cooperate to **know** the supply and demand, then put a fair, profitable and equitable price on their produce and sell at that price. Then speculation and gambling must end because prices will be certain and the same from the beginning to the end of the crop year. Then, and not till then may consumers expect to get the necessaries of life free from the mountains of profit now exacted.

DUMPERS SONG

Tune, "Nellie Gray"

We are going down to Market all alone, all alone,
We have left our wives and children all at home,
The prices we are getting are so very, very small,
There is not enough of money for us all.

Chorus.

We are going down to market
We are going down to market
We are going down to market
Our potatoes and our corn,
We are going down to market
We are going down to market
To market our potatoes and our corn.

We are rushing our potatoes into town, into town,
Although the price is low and buyers frown,
We will keep the stream on flowing, a steady flowing in
Until we've nothing left but empty bins.

Chorus.

We see our union brothers over there, over there,
Holding their potatoes for a price that's fair
But we never lend a helping hand,
For we belong to the Dumpers band.

Chorus.

We are forced to keep our children out of school, out of school,
Is the way they work by the Dumpers Vale,
Potato bugs for company. They work from sun to sun.
In the potato patch the work is never done.

Chorus.

We will not help ourselves when we can, when we can,
We let the union men make our price,
We never spend a dime for to help the cause along.
For you see, we're the Common Dumper band.

Chorus.

(Song composed in the Golden Rod Local and sang at the recent potato Growers Supper, held at the home of Wm. Bennett, Echo, Mich.

EVERYBODY SKINS THE FARMER

Everybody skins the farmer;
Such an easy thing
Easy summer as in winter,
And in Fall or Spring.
There is never any let up,
Ne'er halt be-gosh!
Ev'rybody skins the farmer,
And that's no josh.

Grafters have a tired feeling;
Toil is a thing they hate;
But the farmer seems so willing
To bite their wretched bait.
Rockefeller, Swift and Armour
All know where to try,
Everybody skins the farmer
And that's no lie.

Party crooks and public grafters,
Schemers and pious frauds,
Each in his own way is after
A chunk of the farmers wad.
But there's a sure way to stop it,
A bright and hopeful gleam,
Join the men of Equity
And that's no dream.

CARBORUNDUM AND WHAT IT MEANS TO FARMERS

Perhaps but few know what carborundum is, or of its abrasive value. Yet in the last few years it has completely revolutionized grinding of all kinds. At the present time it is of special interest to farmers, for it has already begun to replace the grindstone on farms all over the country.

Carborundum is used both to polish the most delicate china and to shape the pistons of the engines of our great ocean liners. "It hones the razor and puts an edge on the sword. It polishes the diamond and points the tool that punches rivet holes in the armor of the great battle ships. It polishes the shoe sole and the kid glove, and smooths down the angles of the great telescope lens."

Carborundum is made by fusing sand, carbon, sawdust and salt in tremendous heat. Electric furnaces are employed. When the powerful current of over 2,000 volts is turned on, the almost inconceivable heat of 7,000 degrees Fahrenheit is obtained. This heat is so intense that nickel and platinum, the most refractory of metals, burns like beeswax.

For thirty-six hours this heat is maintained. When the furnace finally cools, carborundum is found within in huge, irregular blocks. These are reduced in crushers to a size that allows them to be formed into grinding wheels. As such they are not only replacing the old-fashioned grindstones, but emery and corundum as well.

Carborundum is the only known substance that rivals diamond in hardness. Another characteristic that it possesses, that even the diamond lacks, is sharp-faced crystals. A diamond may be polished to a smooth surface, but carborundum always has a sharp cutting edge. This quality helps to make it the finest abrasive the world has ever known.

It is said that carborundum is about twenty-five times as hard as the ordinary grindstone, and about eightt imes as hard as emery or corundum. It cuts metal—never wears it away, and no matter how long it is used, never becomes smooth or has to be dressed, as the ordinary emery wheel must.

Carborundum has proved wonderfully successful in the commercial world, where it is rapidly supplanting the emery and corundum wheels. It is no less successful on farms, where it has accomplished with the utmost ease the sharpening that was the hardest kind of drudgery with the grindstone. A carborundum grinder especially designed for farm use is now being put on the market, and is already making an enviable reputation for itself. There are wheels for all kinds of grinding, and special attachments are furnished for difficult work, such as sickle grinding.

Carborundum is destined eventually to do away with all the drudgery connected with grinding tools. A great stride was made in this direction when the carborundum grinder for farmers was placed on the market. Thousands of the carborundum farm grinders have already been sold and the present volume of sales indicates that it will not be long until every farmer owns a carborundum grinder instead of a grindstone.

PROTECTED BY A GUARANTY BOND

The Bankers Surety Company of Cleveland, Ohio, has put out an issue of bonds backed by their entire capital and surplus, amounting to millions of dollars. One of these bonds will actually be sent out by the Sure Hatch Incubator Company to every purchaser of a Sure Hatch Incubator. This Company has always given a liberal guarantee with their machines. They will continue to send this guarantee with their machines, and with it you will get one of the Surety Bonds, backing up the guarantee.

Write to the Sure Hatch Incubator Company, Box 28, Fremont, Neb., and get full information about their bonded Incubator before you buy a machine where you are compelled to take long chances. Investigate the real merits of the Sure Hatch, then buy.



POSTAL CORRESPONDENCE CLUB

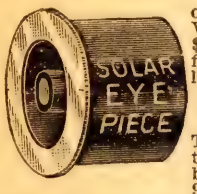
Big list of live names, all anxious to exchange postals. Some foreign names, too.
C. H. ANNES., 3316 Woodland Av., Kansas City, Mo.

BED WETTING

Inability to hold urine during the night or day, in old or young, is not a habit but a dangerous disease. Our HARMLESS Pastilles are guaranteed to cure it.
O. H. ROWAN DRUG CO., Dept 10 London, Ont., Canada. A 25c. Pkge. FREE.

GREAT SIXTY-DAY OFFER

We have made an appropriation of 12,000 of our **New Excelsior Telescopes** for Special Advertising, to be sold for **$1.00** (if mail 10c extra for postage.) These will not last long. This is a great offer—the most liberal ever made. Of course you will tell your friends—it will advertise our business. Satisfaction guaranteed. Remember, this is the **New Excelsior Telescope** with **Solar Eye Piece** that has never before been supplied on telescopes selling for less than $8.00.



Telescopes heretofore provided with a Solar Eye Piece or dark lens for sun observation have cost from $8.00 up. We have reproduced a Large Solar Telescope, which for $1.00 will enable people to correctly see the sun for the first time. Previously you have only seen the rays of light, or sunbeams.

Study the Sun

The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light, which is larger by 900 times than all the planets combined, and which supplies all the planets with enerby by its radiance. Our $1.00 Excelsior Telescope will help you in this study, notwithstanding the fact that the Sun is 93,000,000 miles away. Through the Solar Eye Piece you can see the sun as you never saw it before. Not only is the sun magnified through this Telescope, but the Dark Lens and the Solar Eye Piece robs it of its dazzling effect on you, and you can see the sun properly.

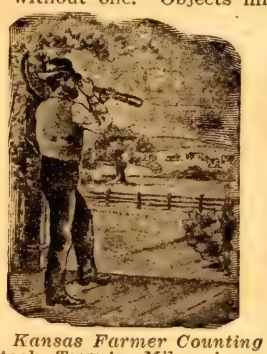


Watching an Eclipse with Excelsior Solar Telescope

This is a long, powerful Telescope, for terrestrial and celestial use. This Telescope is provided with an adjustable Solar Eye Piece for sun observations. Every student, male or female, needs this Telescope to study the sun in *eclipses*, also the mysterious recurrent sun spots.

Never before was a Telescope with Solar Eye Piece sold for less than $8.00 or $10.00. This Eye Piece alone is worth more than we charge for the entire Telescope to all who wish to behold the sun in its tranquil beauty. Remove the Solar Eye Piece Lens and you have a good, practical Telescope for land observations, etc.

POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3½ feet, in 5 sections. They are brass-bound, brass safety cup on each end to exclude dust, etc., with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1. Postage 10 cents extra. If insurance is desired, 10 cents more. This is a grand offer, and you should not miss it. We *warrant* each Telescope to give satisfaction or money refunded.



A Kansas Farmer Counting Stock Twenty Miles Away

Count Cattle 20 Miles Away

I wish all to know how satisfactory the Excelsior Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles, count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, Yours truly,

Arkansas City, Kans. F. G. PATTON.

Let the keynote of this advertisement be implicit confidence in us, and we will make good or money refunded

A Telescope brings new brain cells into play; it opens new avenues of thought and broadens one's resources.

Interesting booklet entitled **"Telescope Talk" FREE** with each order. This booklet tells all about the care of telescopes, eclipses of sun and moon, etc.

THE GREAT $1.00 WONDER

The Pleasure and profit derived from this Telescope is like money invested at compound interest—the longer you have it the more you get out of it.

PRICE $1.00—By mail, prepaid, delivered in perfect condition, insured, $1.20. By mail, not insured, $1.10

How can you invest $1 better? Think of the Steps it will save, the entertainment it will bring you.

OUR SPECIAL OFFER.—We guarantee absolute satisfaction or money refunded! 80,000 sold last year!

This issue of UP-TO-DATE FARMING goes into about 100,000 homes. In every home there should be an Excelsior Telescope. Over 1,000 UP-TO-DATE FARMING READERS have one already.

The Twentieth Century Idea is to put absolute confidence in the vendor and for the vendor to guarantee the purchaser perfect satisfaction or money back. That is what we do in this special offer. There is no better way. **Send your order at once—while it is on your mind.**

People's Wholesale Store





SUPERIOR TO A $15 GLASS

Fred Walsh, of Howe Island, Ont., Canada, says:

GENTLEMEN—I have just received your telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are more than double what it cost me.

BRANDY, VA.

GENTLEMEN—Please send another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money. R. C. ALLEN.

An old hunter tells us that he never goes into the woods without a strong lens to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines.

Buy the Boy a Telescope

Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy,* if he is given a few ideas now to think about.

With the new year will come many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*



Using the Eye Piece of an Excelsior Telescope as a Microscope

MICROSCOPE AND TELESCOPE

I have fairly tested the Excelsior Solar Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.

F. S. TAYLOR.

Box 376, Davenport, Iowa.

SUN SPOTS

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the genera l level Their cause and the precise theory of their formation are still uncertain. At intervals they are very abundant; then there are periods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and the violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effects upon the weather!



The mysterious spots on the Sun. Get our Solar Telescope and see them.

History of the Telescope

The telescope seems to have originated in Holland early in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own Excelsior Telescope was first brought out in 1886, but the Excelsior Telescope of today, with its Solar Eye Piece, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.

Mr. C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes, says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.



Could Discern Boats from Five to Ten Miles Away



Using an Excelsior Telescope Lens to Light a Cigar

Good Things Others Say

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.

Very satisfactory.—Eugene J. Halle, Booneville, Mo.

Wonderful at the price.—Alfred L. Edwards, Athol, N. Y.

Satisfactory in every way.—H. J. O'Sullivan, Schenectady, N. Y.

Much better than expected.—O. R. Oakley, Bridgeport, Conn.

Just as you represented.—T. W. Wakeman, Waterlick, Va.

Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.

Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.

Would not take $5 for it.—Thomas L. King, Luffman, S. D.

If I could not get another, would not sell it for $10—J. T. Hunter, Falls, N. C.

Could read signs on Oakland Pier, three miles away.—E. Salanave, San Francisco, Cal.

Send two more; well pleased with first one. —J. W. Seifert, Prattville, Ala.

WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room ti print.

You need not take our word for it, but write any one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITLY,* and send us the money, and *we will guarantee you perfect satisfaction or money refunded.*

Indianapolis - Indiana

MOVING PICTURES

OF THE WONDERFUL WORLD CHAMPION

DAN PATCH 1:55



















MAILED YOU ABSOLUTELY **FREE** **AND WITH ALL POSTAGE PAID**

THIS IS THE LATEST HORSE SENSATION AND GREATEST TRIUMPH IN THE MARVELOUS AND REALISTIC MOVING PICTURE ART.

It is a New Invention that you can carry in your pocket and show your friends instantly day or night, either once or a hundred times and without a machine, curtain or light. It is the most Attractive Novelty and most pleasing Dan Patch Souvenir ever Invented and shows Every Motion of Dan Patch 1:55 in pacing one of his Marvelous and Thrilling World Record Miles and it is Absolutely True To Life.

I want to assure you that it is the most successful Moving Picture ever taken of a world champion horse in his Wonderful Burst of Speed. If you love a great horse and want to be able to see him in Thrilling Motion Pictures at any time as long as you live **Be Sure And Accept My Remarkable Offer Before They Are Gone.**

I reserve the right to stop mailing these very expensive moving pictures without further notice, as this is a special free and limited offer.

A MILE OF THRILLING RACE PICTURES,

2400 MOVING RACE PICTURES OF DAN PATCH 1:55

and every one of the 2400 pictures shows the King of all Horse Creation as plainly as if you stood on the track and actually saw the mighty Dan Patch 1:55 in one of his Thrilling Speed Exhibitions for a full mile. Just think of it! **2400 Moving Pictures Taken Of Dan** in 1 min. and 55 sec. means 21 pictures taken for every second all of the way around the entire mile track from the back seat of a high power automobile.

You Can See Dan Shake His Head To Let His Driver Know That He Is Ready And Then You Can Watch Every Motion Of His Legs As He Flies Through The Air With His Tremendous Stride Of 29 Feet. As A Study Of Horse Motion Alone This Is Better Than If You Saw The Actual Speed Mile Because You Can See Dan Patch Right Before You For Every Foot Of The Entire Mile And Not A Single Motion Of His Legs, Body Or Head Can Escape You.

You can see his Thrilling Finish as he strains every nerve and muscle to reach the wire in record breaking time, you can see his driver dismount and look at his watch while thousands of people crowd around, you can see his caretaker force his way through the crowds, uncheck Dan and then throw a beautiful woolen blanket over him to prevent catching cold and then you can see him walk up the track before the Madly Cheering Multitude.

Wherever the Original Moving Picture, of the Fastest Harness Horse In The World, is shown, people involuntarily call out "Come on Dan"—"Come on Dan." The Original Moving Picture Of Dan Patch Pacing A Great Mile Is The Most Realistic And Thrilling Picture You Ever Saw. I Have Taken Part Of The Original 2400 Wonderful, Sensational Pictures And Made Them Into A Newly Invented Pocket Moving Picture that you can easily carry with you in your pocket and show to your friends at any time, day or night. It does not need a machine, it does not need a curtain and it does not need a light. It is all ready to show instantly, either once or a hundred times **CREATES A SENSATION WHEREVER SHOWN.** If you admire a great world champion who has gone more extremely fast miles than All of the Pacers and Trotters Combined that have ever lived then I am sure you will write me today for one of my Wonderful Moving Pictures of the King of all Harness Horse Creation, Dan Patch 1:55. ☞ The Reduced Pictures On This Page Show Dan In 16 Different Positions. Your Moving Pictures Will Be Much Larger.

MY LARGE MOVING PICTURES MAILED FREE TO ALL STOCKOWNERS

With Postage Prepaid---If You Are A Farmer, Stockman Or Poultry Raiser I Require A Correct Answer To These Three Questions. ⟶ You Must Answer These Questions

1st. In what paper did you see my Moving Picture Offer? ***2nd.*** How many head Each of Horses, Cattle, Sheep, Hogs and Poultry do you own? ***3rd.*** How many acres of land do you own or how many acres of land do you rent? ☞ **I Personally Guarantee Free To You One Of These Marvelous Moving Pictures, If You Answer These Questions And Write Me Today.--Signed.--M. W. SAVAGE.**

IF YOU ARE NOT A STOCKOWNER AND WANT THE MOVING PICTURES SEND ME 25 CENTS FOR POSTAGE,

Packing, etc., In Silver or Stamps and I will mail you this wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world has ever seen. -- If you send me Twenty-five Cents in Silver or Stamps--EVEN if you do not own any stock or land, I will mail it to you postage prepaid. It costs Thousands of Dollars to have one of the original pictures taken and reproduced. Write to

INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.

I OWN THE 5 FASTEST WORLD CHAMPION STALLIONS EVER OWNED ON ONE FARM IN THE HISTORY OF THE WORLD.

On my "International Stock Food Farm" of 700 acres I own Dan Patch 1:55, Minor Heir 1:59½, Directum 2:05¼, Arion 2:07¾, Roy Wilkes 2:06½ and also about 200 head of Young Stallions, Brood Mares and Colts and they eat "International Stock Food" every day. I will be pleased to have you visit my farm at any time and see my horses and their splendid condition. I feel sure that you never saw their equals at any Fair or Horse Show. **ACTUAL TEST IS WHAT PROVES EVERYTHING IN THIS WORLD.** If "International Stock Food" gives paying results for the highest priced horses in the world on my farm it certainly will pay you to use it for all of your stock. Remember that if it ever fails to give your Horses, Cattle, Sheep or Hogs, better assimilation and digestion, purer blood and perfect health with quick growth and fattening that it will not cost you a cent no matter whether you have used one hundred pounds or five hundred pounds and you are to be not only the user but also the sole judge of results. I will leave the entire matter for you to decide and accept your own statement. How the United States Government backs my claims that "International Stock Food" is strictly a medicinal tonic blood purifier, etc. During the Spanish-American War, United States officials made a special examination and decided that "International Stock Food" was strictly medical and I paid $40,000.00 patent medicine war tax. Can any honorable man deny this evidence? "International Stock Food" and label design is registered in Medicinal Department as a Trade Mark No. 52791 giving it commercial standing and rights as a distinctive

"TRADE NAME" FOR A MEDICINAL, TONIC PREPARATION

The United States Government issued me a Trade Mark No. 22886 on the world famous lines, 3 Feeds for One Cent - as showing how cheaply International Stock Food can be mixed with the regular grain feed - My label shows a list of the medicinal ingredients used and 250,000 Dealers have sold "International Stock Food" for over 20 years as a medical tonic preparation.

Mr. F. A. Hawley, Waverly, Neb., Won in the Forest Patch Contest

18 Acres of Floor Space — Covers Over A City Block



INTERNATIONAL STOCK FOOD FACTORY

LARGEST IN THE WORLD

Covers Over a City Block and Contains Over 18 Acres of Floor Space

CASH CAPITAL $2,000,000.00

ASK YOUR DEALER FOR MY PREPARATIONS

International Stock Food	Dan Patch Stable Disinfectant
International Poultry Food	Dan Patch White Liniment
International Compound Absorbent	International Worm Powder
International Pheno-Chloro	International Hoof Ointment
International Distemper Remedy	International Sheep Dip
International Foot Remedy	International Cattle Dip
International Colic Remedy	International Hog Dip
International Louse Killer	International Harness Soap
International Louse Paint	International Gopher Poison
International Gall Heal	International Worm Remedy
Silver Pine Healing Oil	International Healing Powder
International Heave Remedy	International Quick Blister

ASK YOUR DEALER FOR ANY OF THESE PREPARATIONS

and insist on having what you ask for. Beware of many cheap and inferior substitutes and imitations. High Class Dealers Sell My Preparations on my Spot Cash Guarantee to refund your money if they ever fail.

DO YOU EXPECT TO SEE THE DAY WHEN THESE WONDERFUL DAN PATCH 1:55 RECORDS WILL BE EVEN EQUALLED?

DAN PATCH, 1:55

HAS PACED

1	MILE IN	1:55
1	MILE IN	1:55¼
2	MILES IN	1:56
14	MILES AVERAGING	1:56½
30	MILES AVERAGING	1:57½
45	MILES AVERAGING	1:58
75	MILES AVERAGING	1:59½
120	MILES AVERAGING	2:02½

DAN HAS BROKEN WORLD RECORDS 14 TIMES

In addition to all these records Dan Patch is proving to be one of the greatest sires of both pacers and trotters in all horse history - Look up his large official list of standard performers.

Dan Patch 1:55 has gone more extremely fast miles than the combined miles of all the trotters and pacers that have ever lived. Be sure and remember these facts when you think of some horse equalling Dan's marvelous performances.

For seven years Dan Patch has eaten "International Stock Food" every day mixed in his regular grain feed. It has given Dan Purer Blood, More Strength, More Endurance, More Speed and Perfect Health. It is constantly used and strongly endorsed by over Two Million Farmers and Stock Breeders, as the greatest Animal Tonic, and has been for 20 years. No other preparation has such strong United States Government and practical stock breeders endorsement, as has International Stock Food.

Signed, M. W. SAVAGE, Owner of International Stock Food Co.--and also--International Stock Food Farm

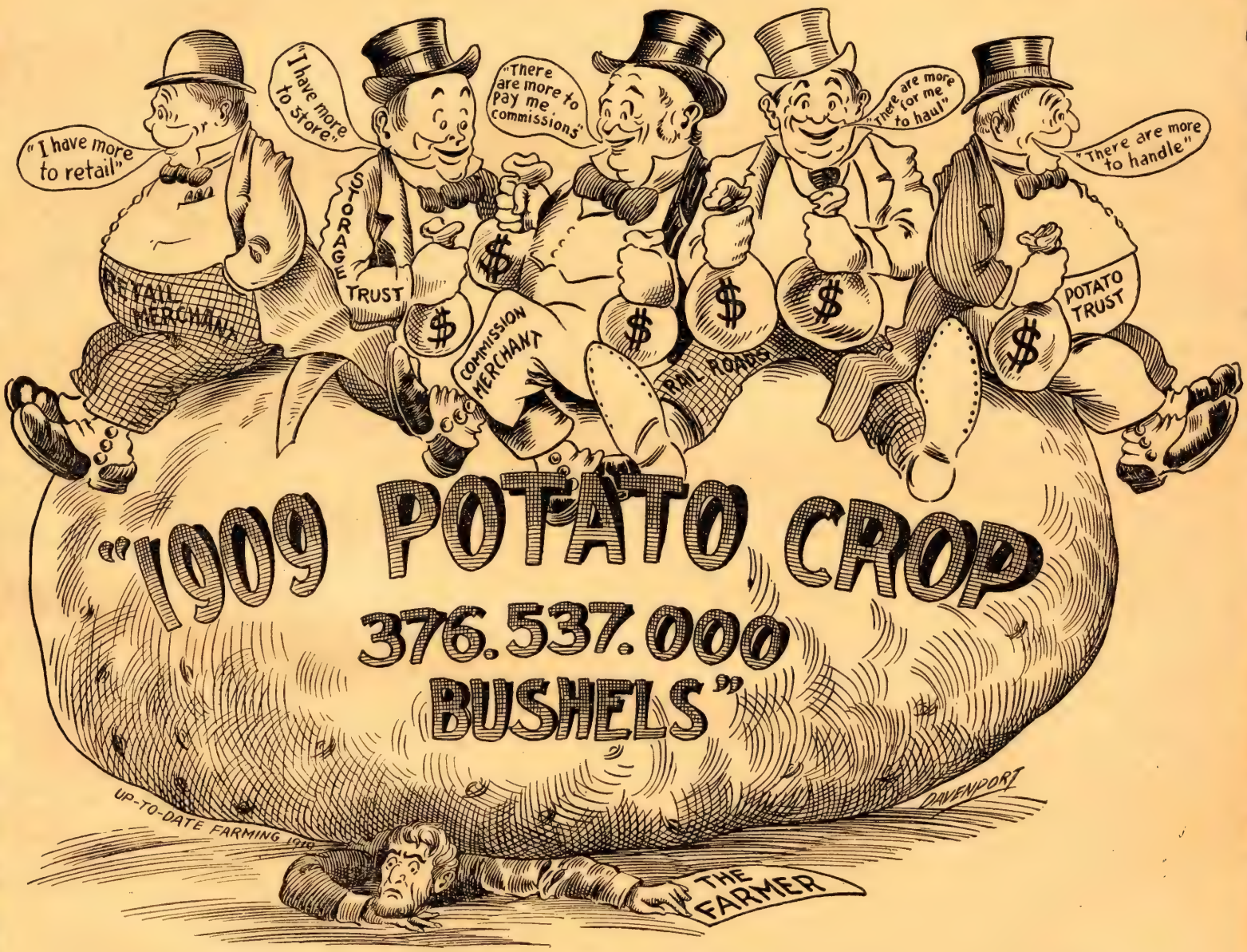
CIRCULATION OF THIS ISSUE IS 130,000 COPIES

Up-To-Date FARMING

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, FEBRUARY 1, 1910 | Number 3

Everybody Is Happy But The Potato Grower



According to the best authority—the Government crop report—the 1909 potato crop was 376,537,000 bushels. This is 97,552,000 bushels more than the year before and 44,000,000 bushels more than the largest previous crop. Considering the size of the crop reported prices have been remarkably well maintained in the central markets but reports have come to us of prices paid producers in some sections as low as 20 to 25 cents a bushel. Compared with the next largest crop, 1904 we find that potatoes sold in the Chicago market in December at 32 cents a bushel and the following May at 20 cents a bushel while 25 cents was the highest price reached in May.

Partial controlled marketing has made the difference aided by the increased consumption.

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD
It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.
400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING



25¢ A Year Sure Road to PROSPERITY



ON THE FARM

THIS paper, for 1910, will be a complete education on the only practical and successful plan for marketing all farm crops to compel steady and profitable prices, and it will be putting the plan in operation each week.

It will also contain an epitome of all the valuable lessons taught in former numbers, 1902 to 1909 inclusive, which teaching almost revolutionized American agriculture at its distributing end.

You better not miss a single number. Look at your address.

At the end of the year we will supply an index to the articles and directions for binding. In this way it will be a handy cyclopedia on marketing crops and the most valuable volume of any farm paper ever printed.

If you have not renewed your subscription do it now. Remember the mill will never grind with the water that is past. When this year is past it will be impossible to get what you can secure now by the payment of only 30 cents for one year or 50 cents for two years.

USE THE SUBSCRIPTION BLANK ENCLOSED.

UP-TO-DATE FARMING,
Indianapolis, Ind.

THE DREAMERS

They are the architects of greatness Their vision lies within their souls. They never see the mirage of Fact, but peer beyond the veils and mists of doubt and pierce the walls of unborn Time.

The World has acclaimed them with jeer and sneer and jibe, for worlds are made of little men who take but never give—who share but never spare—who cheer a grudge and grudge a cheer.

Wherefore, the paths of progress have been sobs of blood dropped from their broken hearts.

Makers of empire, they have fought for bigger things than crowns and higher seats than thrones. Fanfare and pageant and the right to rule or will to love, are not the fires which wrought their resolution into steel. Grief only streaks their hairs with silver, but has never greyed their hopes.

They are the Argonauts, the seekers of the priceless fleece—the Truth.

Through all the ages they have heard the voice of destiny call to them from the unknown vasts. They dare uncharted seas, for they are makers of the charts. With only cloth of courage at their masts and with no compass save their dreams, they sail away undaunted for the far, blind shores.

Their brains have wrought all human miracles. In lace of stone their spires stab the Old World's skies and with their golden crosses kiss the sun.

The belted wheel, the trail of steel, the churning screw, are shuttles in the loom on which they weave their magic tapestries.

A flash out in the night leaps leagues of snarling seas and cries to shore for help, which, but for one man's dream, would never come.

Their tunnels plow the river-bed and chain the islands to the Motherland.

Their wings of canvas beat the air and add the highways of the eagle to the human paths.

A God-hewn voice swells from a disc of glue and wells out through a throat of brass, caught sweet and whole, to last beyond the maker of the song, because a dreamer dreamt.

What would you have of fancy or of fact if hands were all with which men had to build?

Your homes are set upon the land a dreamer found. The pictures on its walls are visions from a dreamer's soul. A dreamer's pain wails from your violin.

They are the chosen few—the Blazers of the Way—who never wear Doubt's bandage on their eyes—who starve and chill and hurt, but hold to courage and to hope, because they know that there is always proof of truth for them who try—that only cowardice and lack of faith can keep the seeker from his chosen goal, but if his heart be strong and if he dream enough and dream it hard enough, he can attain, no matter where men failed before.

Walls crumble and the empires fall. The tidal wave sweeps from the sea and tears a fortress from its rocks. The rotting nations drop from off Time's bough, and only things the dreamers make live on.

They are the Eternal Conquerors—their vassals are the years.—Herbert Kaufman in Everybody's Magazine.

EVERGREENS

The largest Evergreen Nursery in the United States is owned by D. Hill, Dundee, Illinois. Mr. Hill has made a specialty of Evergreens for over 30 years—has over fifty million trees and makes shipments to all parts of the country. It is a pleasure to recommend a man like Mr. Hill to our readers. His trees are hardy and everyone can depend on getting a square deal from Mr. Hill. His beautifully illustrated catalog should be in the hands of every farmer. Drop a postal to D. Hill, Box 217, Dundee, Illinois, and secure a copy free.

REQUEST *ADVERTISERS WANT TO* *Know in what Paper seen. Therefore We* **TO** *their Advertisement was Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers.* **READERS.**

Let Me Give You A Dozen of My Exquisitely Beautiful New

Easter Post Cards

FREE



THE demand for Easter Post Cards is several times as great as for any other holiday Anticipating that every one of our friends who have secured some of our other beautiful cards, and many new people, will want some beautiful Easter cards we have had our publishers to strive to even surpass all their other beautiful productions. Let it suffice to say: "They succeeded." We are proud to offer our friends Easter Cards that are unsurpassed, if indeed, can be equaled elsewhere.

There are 12 sets, covering a very wide range of subjects, and meeting the requirements of every member of the family from grandfathr and grandmother down to the little tots who delight in pictures and series of Easter eggs, rabbits, chicks, etc. All are printed in 12 colors and embossed. The features, including beautiful flowers are brought out in beauties even rivaling nature. Every family will want Easter cards. I will give one from each set free and send a circular from which you can select more. Also Valentine, Lincoln's Birthday, Washington's Birthday and St. Patrick cards, and my **GREAT OFFER** how you can get as many as you want for a little favor.

MY OFFER **To just one member in each family that receives this paper and who agrees to show my NEW EASTER CARDS to at least five friends according to my GREAT FREE CARD OFFER I will send the SET OF 12 and explain how to get as many more free as you want.**

Fill out the coupon and send right away and you will get the full set by return mail.

J. A. EVERITT,
Editor Up-to-Date Farming,
Indianapolis, Ind.

Mr. J. A. Everitt, Editor,
Indianapolis, Ind.

Please send me the 12 NEW EASTER post cards as offered. I agree to show them to at least five of my neighbors in accordance with your GREAT CARD OFFER in UP-TO-DATE FARMING. I enclose 10 cents in cash or stamps, as a guarantee that no other member of my family will embrace this offer.

I send this order with the understanding that the cards are all that you represent them to be.

Name .....

R. R. ... P. O. ..... State....

UP-TO-DATE FARMING

Representing the Organized or Co-operating Farmers of America

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Volume XIII | INDIANAPOLIS, INDIANA, FEBRUARY 1, 1910 | Number 3

What One Man Owns nnd Controls

SOMETIME ago an aricle in Up-To-Date Farming discussed the danger to the public of the concentration of the wealth of the country in individual hands. We have not the least prejudice against wealthy people. Were there no men of wealth progress would inevitably be slow. Great enterprises would not be undertaken, and the masses, the average people, would not have the ambition they now have. It is when individuals get possession of the industrial enterprises and control the wealth, the money, upon which the prosperity of the multitudes depends, that we see a menace.

In the article referred to we discussed the accummulations in a very few years of E. H. Harriman, and from those accummulations, we argued that it was within the possibilities, by the same means, for one man to get control of the wealth of the world, and make all other people subservient to himself, make them his vassals, in spite of civil governments. We contended that it was impossible for one man, by industry, however untiring, and enterprise, however great and skillfully directed, to accummulate what Mr. Harriman did in the few years in which he did it. We expressed the opinion that the matter was of sufficient importance to warrant an official investigation of how it was done, so that, in the public interest, the methods could be known and guarded against.

Recent developments justify everything said in that article, and emphasize the importance of some action for the public safety. The papers are now full of accounts of an alleged merger or consolidation of great interests effected by J. Pierpont Morgan, which, if true, makes him, as the papers declare, financial dictator of the entire world. We copy from the press the following as the financial and industrial enterprises that it is alleged Mr. Morgan now owns or controls:

The Equitable Life Insurance Company, $472,-339,508; the Equitable Trust Company, $63,821,-500; the Mercantile Trust Company, $68,474,700; the Guaranty Trust Company, $170,000,000; the National Bank of Commerce, $226,549,095; the First National Bank, $139,621,689; the Chase National Bank, $107,285,710; the Mechanic's National Bank, $51,364,368; the National Copper Bank, $40,307,764; the Liberty National Bank, $24,705,-014; the Bankers' Trust Company, $53,926,900; the Astor Trust Company, $15,209,900; the New York Life, $494,408,807; the National City Bank, 280,547,971; the New York Trust Company, $66,-145,300; Standard Trust Company, $18,450,100.

These are the financial institutions which it is alleged Morgan either owns or controls. The following are the railroad or industrial enterprises which it is claimed he either owns entire or has a controlling interest in:

The Southern Railway, $466,609,877; Pere Marquette Railroad, $96,348,000; Cincinnati, Hamilton and Dayton Railroad, $82,369,000; Chicago and Great Western Railroad, $104,766,015; the International Harvester Company (the Farm Machinery Trust), $120,000,000; the International Merchant Marine (the power behind the ship subsidy bill), $180,265,361; the United States Steel Corporation (the Steel Trust), $1,497,001,500; the Erie Railway, $414,256,417; the Pullman Company, $100,-000,000; the General Electric, the company that it is alleged has gobbled up the power sites and coal lands of the Northwest, $80,101,600; the American Telephone and Western Union, the company that has a practical monopoly of the long distance telephone and telegraph service of the United States, $515,073,200; the United Dry Goods Company (the Clothing Trust), $20,000,000; the Public Service Corporation, $66,500,000; the Interborough Rapid Transit (the electric car monopoly), $169,-192,000; the Hudson-Manhattan Company, $57,-374,000; the Brooklyn Rapid Transit Company (the New York street car trust), $125,000,000. In addition to these it is claimed that, while Morgan does not absolutely own he controls another group of railroads representing a value of $3,559,104,646.

We give these figures on the authority of alleged authentic dispatches from New York unhesitatingly given in the public press. The aggregate represents the ownership and control by one man, J. Pierpont Morgan, of a value of more han ten billion dollars! The total money of the United States aggregates around three billion dollars, and that of the world but little more than fourteen billion dollars. Here we have one citizen of the United States, a private citizen, who, it is alleged, owns and controls ten billion dollars, three times more than all the money of the country could buy! Can any one consider that either a safe or a sane condition? And has the national government no remedy for such a state of affairs?

We make no charge that Mr. Morgan is a bad man or a bad citizen. On the contrary, we have every reason to believe he is neither. But such holdings are dangerous to the public weal, and presage a time when all property, the whole country, will be owned by a few. How easy would it be for J. Pierpont Morgan, John D. Rockefeller, and E. H. Harriman's heirs, to pool their issues and combine their holdings—form a gigantic partnership. What would then be the condition? What power could withstand their united action? What power could withstand Mr. Morgan now? Does any one believe there could be a political convention, or a political party, he could not control if he wished to? If it were to his interest to dictate to the churches, couldn't he do it? Could the courts withstand him? By controlling the press, could he not even direct public sentiment?

If we still have broad-minded, patriotic, people-serving statesmen, this is a matter well worthy their attention. The danger to our nation and its liberties, to the independence and prosperity of our people, lies not across the waters, but it is in our internal tendencies and conditions.

The Cement Industry

IN a great country like this, the production of everything that comes into anything like general use, almost immediately assumes the importance of an industry. Such is the history of cement. We learn from Cement Age that the 1908 output was 51,000,000 barrels, which was a gain of 6 per cent. over the preceding year; and the output for 1909 was no less than 60,000,000 barrels. It has to be admitted, though, that the production has been in excess of consumption, with the result that the markets have been disturbed and prices demoralized. Surplus stock has been dumped at sacrifices, says the Age, followed by a demoralization of prices everywhere.

So it is with all productive industries. Whenever more is produced than the demand requires there will be dumping on the market and prices will be broken. This applies to farm products the same as it does to manufactured articles, and we have religiously endeavored to teach farmers that they must regulate production to meet the demand, to fully suply but not to over-supply it.

Then control the marketing to obtain steady and equitable prices. Nearly all other farm papers and the schools have but one thing to urge, and that is production, production, production, nothing but production. The most ignorant must know that is a one-sided proposition; that it leaves farmers at a disadvantage in the world's race for independence, and in spite of all, makes them subservient to all who regulate their output and maintain their prices.

But the cement industry, which led us into this train of thought, is rapidly recovering from the mistakes of a year ago. There may be no diminution of the output, but there is a great increase in the demand. Sensible co-operation eliminates the dumpers, and wise distribution opens every avenue to demand. We are glad to see any industry manages with ordinary wisdom, so that the workers may fully supply the demand and yet receive equitable reward. We shall not be satisfied until farmers do that as well as others.

LITTLE DANGER OF TOO MUCH STUFF.

CROPS have grown so much in excess of the demand that large yields have brought less money than smaller ones, but for all that an increasing demand must be met with on increasing supply. Population is increasing. We have been accustomed to look with amazement on the thickly settled East, but the middle west is now growing faster than any portion of the country ever before did with a permanent population. Not less than 38,000,000 people are credited to the Mississippi Valley. There are more people now west of Cincinnati than east of it, and what the census of this year may show is little more than conjecture. The States that produce our 700,000,-000 bushels of wheat, 2,700,000,000 bushels of corn, and 900,000,000 bushels of oats, find a growing demand at home to almost equal the growing yield. Swine production has gained during the past five years nearly 16 per cent, and cattle growing nearly 20 per cent., but during the same time there has been no great increase in grain production. A 25 per cent. gain in population in the grain States is freely predicted. Of these Illinois, Missouri and Ohio lead. New York and Pennsylvania lead in the East.

In the face of all this, it is safe to increase the yield of farm crops. If the farmers were in a position to control the markets, and make equitable prices in accord with supply and demand, there could be no danger of overproduction, or the destruction of prices by the glutting of markets. We wish farmers would honestly and sincerely co-operate together.

GAMBLING IN COTTON.

THE pernicious gambling in the prices of farm products is well exemplified in recent gambling in cotton. It is worthy the consideration of statesmen and the attention of congress. The Northwestern Miller quotes from the American Wool and Cotton Reporter as follows:

"Ever since the cotton market has been under the influence of the millionaire gamblers, the manufacturing and selling end of the cotton manufacturing industry has been demoralized, and with particularly good reason. It is impossible to establish a market with cotton selling off $5 a bale one week, and advancing $5 the next week. more people are affected by this cotton gambling than are helped or harmed by 'conservation of water powers,' 'railroad regulation,' or other strong features of public policy to be discussed in President Taft's message to the next Congress. Yet our President gives no intimation that he is about to urge legislation that will give direct and immediate relief to more than a million people. . . If there was ever a subject needing the serious attention of a President, it is this very subject of cotton gambling. It is undermining our well-formed manufacturing organizations, and breeding dissatisfaction that is contributing handsomely to the possible overthrow of the reigning political party, and President Taft has a rare opportunity to do a great good, if he will investigate and act on the question of cotton gambling in the same hearty manner he has taken up the waterways problem, and other large questions."

Bethel, Ky., Dec. 16, '09.

Editor UP-TO-DATE FARMING:

I consider that in your paper there shines forth a Grandeur and Greatness found in no other. It demonstrates truth so plainly and points our way so clearly that ages will not obliterate its teachings.

C. M. RAWLINGS.

The Army and Navy Expenditnres

UP-TO-DATE FARMING is no official part of the government of the United States, and hence is not responsible for errors committed by those who rule. On all public questions we have, therefore, endeavored to be conservative. Those chosen to govern, and not us, are responsible for how they govern. Yet our almost half a million readers are mostly citizens of the United States, and when questions vital to their best interests are concerned it is our duty to discuss them from the standpoint of the common people. This we try to do without any reference to party or politics.

As such a question we cannot best regard what seems to amount to almost a mania on the part of our rulers for army and navy expenditures, especially, the latter. In this strange craze, however, the United States is not alone. All the nations of the earth seem to be straining every nerve, and taxing their people to the limit of their ability to pay, to prepare for war. And that, too, when practically the nations are at peace. Millions are being expended by the greater nations in the building and equipment of warships, such as were never known in any time of war; and other millions are used to pay and support thousands of armed naval forces. Why? "In time of peace prepare for war." "The best way to maintain peace is to be ready for war." These are reputed wise sayings. But are they? Why are there laws almost everywhere that forbid the carrying of concealed weapons? Because men are more likely to kill when they are prepared to kill. Is it not the same with nations? A nation equipped and prepared for war is more likely to engage in war than one that is not.

But it is dangerous, say the rulers, to not be able to meet the armaments of other nations. What is the matter with philosophy and civilization? The greater people become, the more learned and civilized, are they more dangerous, more liable to engage in the destruction of property and the death of human beings? Are we more afraid of the great civilized people of to-day than we were of the half savages of the older years? No? Why then expend the energies and resources of the government in building, equipping and manning of battleships? And yet, in the face of most perplexing deficits, our national leaders spend millions and millions for battleships. The people, who are compelled to furnish the money, ought to know why. No sufficient reason has ever been given.

Germany is building war ships. England is building war ships. America is building war ships. Germany is out of money, has a deficit of $130,000,000 a year, lacks that much of being able to meet expenses. England is short, running in debt $80,000,000 a year. The United States is doing the same, lacks money in varying sums to meet expenses, and spent practically a whole congress in trying to lay on the people heavier taxes and increase the revenue. All are building battleships. Emperor William wants more and bigger ones. So does King Edward. So does President Taft. So does Russia, China, Japan. And even Canada wants ships to supplement the British navy on the other side.

Says a prominent exchange: "The present world situation with respect to navies is absurd. We would expect better sense of children than statesmen are manifesting. Any sane man or woman ought to be able to see that continuation of the present competition is certain to be ruinous—more disastrous even than war—and that it is not in any sense a guarantee against war."

"Safe and sane." We wish the practices of our statesmen were a little more safe and sane. But who knows that the world is not preparing for the Revelator's Battle of Armageddon.

To Organize or Not to Organize

THE enemies of farm organization; that is, those who prey upon the unorganized farmers, contend that farmers can never be induced to stand together so as to secure an efficient organization to control their business as other business is controlled. Secure in this contention, that class of people rest easy, believing there is no danger that their exploiting operations will ever be seriously interfered with.

But what say the farmers themselves? They are the ones that are primarily interested. They must organize; at least, they must co-operate intelligently with each other, as they must continue to live at a disadvantage in their struggle for success.

The intelligent reader knows of the Grange and its various successes and reverses, its good as a social and educational force, but that it never touched the vital point that keeps farming at a disadvantage with other productive interests. They know of the meteoric career of the Alliance, the F. M. B. A., etc., and know little was accomplished by them beyond a few buying efforts and a degree of social and business training.

Then came the Society of Equity, accomplishing more during its brief harmonious existence than all the rest, in the essential element of making farming pay. But dissension came, the harmony was broken, the essential principles were abandoned by a faction, and the efficiency of the Society was, at least for a time, destroyed.

The press now informs us that the Farmers' Union of the South is repeating if not surpassing the history of preceding efforts. That organization originated in Texas, became encouragingly strong there, and spread into other Southern States, overflowing a little into a few Northern States, much as the Alliance did before it. But now we are told the Texas organization secedes from the remainder and sets up for itself. It matters little what the cause is. Not much can be accomplished until there is an organization so strong, so unselfish and so earnest that no cause of disruption can be found.

It is discouraging that farmers are not more determined and devoted to the interests of their calling. No class of labor needs united effort more. Any productive industry seeking steady reward, must have knowledge of and regulate its output, and it must direct its selling. This can be done by farmers only through organization and co-operation. It is just as feasible for farmers as it is for any other calling, and it is as essential to fair play and success. But will they do it?

Whether or not, Up-To-Date Farming will continue to do its duty. It knows what is needed. It has the plan of accomplishment; and, like a faithful school master, it proposes to teach the farmers of the world, with a belief in right and justice, and a hope that what is best will win.

National Bank Circulation

IT IS officially stated that the national bank notes (black backs) now in circulation amounts to $710,354,253. This is good money. The United States stands security for every dollar of it, and the more people have of it the better, that is, the more money there is in active circulation the better. But it does look a little bit one-sided or unequal for the government to authorize the national banks to issue their notes, their promises to pay, and that is all the national bank notes are—to issue their notes as money in exchange for well served notes executed by the people who must pay the banks interest thereon. One class of citizens is authorized to issue their notes and pay no interest on them, while another class of citizens must issue their notes in exchange for the other class's notes and must pay instead of receive interest on their notes.

What have the banking corporations done for the government to entitle them to this difference of treatment? Nothing, except to buy some United States bonds, on which the government itself pays them interest all the time. It is sure enough one-sided. But it is good money, not because the banks may or may not be good, but because Uncle Sam gives their security.

PRICE AND SUPPLY AND DEMAND

SOME farm papers oppose controlled marketing and farm price-making, contending that prices are regulated by supply and demand. They are as ignorant of that principle and its effect on prices of farm products as those prices are now made by the boards of trade and exchanges, as they are of the original purposes and principles of the Society of Equity. Supply and demand are entirely ignored by the makers of market prices. The only thing that rules the prices now, the general market prices, is the ability of one side to outmanipulate the other side, just like any other gambling game or game of chance. Such prices often change in an hour when there could be no possible change in either supply or demand. Any person with any power of observation or ability to reason from cause to effect, saying nothing of an editor, ought to know that these sudden and unseasonable changes, can be none other than arbitrary prices made for the benefit of those who make them. But we suppose, "when ignorance is bliss it is folly to be wise."

For instance, one of the papers which contends that supply and demand must regulate prices, and has persistently opposed the Society of Equity because it would take price-making out of the hands of gamblers, says: "If through improved farming an increase of one bushel of corn per acre could be secured throughout the United States, it would mean an excess income amounting to $60,000,000 per year to farmers."

Corn is not dollars. To bring the farmers dollars it must be sold at a price, and how many dollars it brings depends upon the price. The demand is supplied now at a price. If supply and demand controls the price, increasing the supply by so much as a bushel to the acre, without increasing the demand, must inevitably reduce the price, so that the increased crop might not bring so many dollars as the crop which now supplies the demand at the present price. The official records show that many large crops have brought less money, fewer dollars in the aggregate, than smaller preceding crops, because the demand was over supplied. But the editor in question shows his profound ignorance of such things by imagining an increased crop, figuring the increased value at the current price, and telling the farmers how many dollars such an increase would make them.

And yet he says supply and demand controls the price, and he fights the Farmers' Society of Equity because it would take price-making out of the hands of the gamblers, and make prices according to supply and demand. But he favors the so-called American Society faction because it has abandoned the principle of price-making, and accepts the old prices made by arbitrary greed. We have always contended for supply and demand prices. It is the essense of Equity and the salvation of farmers. They are the ones to make the prices on that basis.

Up-To-Date

THIS IS THE DAY OF THE APPLE

WHY an orchard on the farm? The reasons are many and we can treat of but a few, but those are so cogent that there will be no need for others to impress the truth of our words on every mind. This is the day of the fruit, and distinctively the day of the apple. There was a time, which is not very remote, but which, in the light of the Pacific Coast apple, seems centuries ago, when the apple held about the same position as a good potato, and in fact was not as perfect a specimen of the vegetable kingdom as a good potato then was, but the organization and experimentation carried on by the Coast farmers demonstrated that the apple could be raised to the same high plane as a choice fruit, as has been won by the grape-fruit and the navel-orange, in the south and California, with the result that the most perfect of all modern fruits is the perfect apple.

The demand created by these fine apples from across the continent is right at your doors. It does not necessarily need Pacific Coast fruit to fill the demand. Not at all! There are grown in the Ozark Mountains of Missouri at the present time as perfect apples as ever came from the Hood River Valley, but they were grown by the methods made famous in that famous valley. There have been apples for fifty years in the Ozarks, but they were the same kind of apples that have been grown in a careless manner all over the country and had any one ever heard of any National demand for them. No! The way has been blazed by the farmers of Oregon and Washington, and it is open to all who will follow it.

In order to get your share of the results of the demand for perfect apples which the Coast farmer's success has created, you must imitate their methods. Go into fruit raising as you would other farming—in the spirit which insures success, and do not expect success without investing capital. While the returns are large, the work is hard during the growing season, but nothing is accom-

plished except by hard work on the part of someone. You must expect to learn the fruit business thoroughly and apply your knowledge exactly, for apple-growing is rapidly approaching the point of an exact science. The experiments which have made the apple the leading fruit among people of good taste and discrimination, are on file for the benefit of all who care to profit by them. There are no secrets or patents to be paid for—just hard work, fair capital, regular spraying, and cultivation, and the controlled marketing of the crops as this paper was the pioneer in teaching.

The most cogent of all reasons why there should be an orchard on every farm is that it will, under modern conditions, furnish profitable winter employment for the farmer and his employes. You may respond that there is an orchard on every farm. To which we reply—**not our kind of an orchard.** There is a jungle of trees and suckers; aphis and scale, curculio and codling-moths on most farms, but an ORCHARD—well, we mean one such as will produce the perfect apples referred to above and command highly remunerative prices.

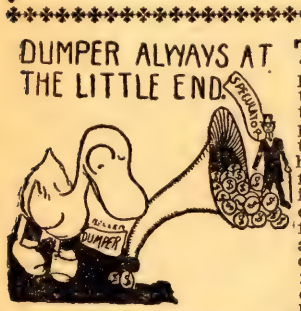
The farmer who undertakes to grow fruit in competition with those who make a science of it, must emulate their methods. There must be proper cultivation, as to frequency and effectiveness, proper methods of picking and packing, and never a let-up once in the matter of grading, for the price of this ultra-fancy fruit is made by grading. It is just a case of self-repression, at the time, for the great good in the future. Those Hood River farmers who had the self-restraint to live strictly up to their own high ideals in fruit grading, in the face of markets filled with bad and indifferent fruit, selling at lower prices, are **moral heroes,** and have their reward in that they demonstrated by the "pocket-book method" that integrity of purpose always pays, on the farm and off, by securing the highest prices for their fruit ever paid for apples.

There is no danger of overstocking the market with choice fruit. The present price is prohibitory to all but the people of means. When the same grade of fruit is put on the market under EQUITY RULES, at a fair profit, at equitable prices, the demand will be a hundred fold greater, and there will be no surplus. Mr. James J. Hill, the president of the railroad which hauls most of these famous apples, has said that "the demand, at fair prices will always overwhelm the supply of choice fruit." Do you want your share of this demand? If so, why not put your orchard in first class condition, or start a new one, managed on scientific lines? Get in line! If you do not, others will—there is room for all.

Mr. J. A. Everitt, Editor.
Allow me to congratulate you upon the excellent showing Up-to-Date Farming is making. I feel like thousands of others that your efforts are rights.
—W. E. Greelick

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



THE future potato price problem continues to be the most perplexing one that farmers have to face. A fair advance in price is noted since our former report and this is encouraging. If inordinate dumping can be prevented, when warmer weather arrives, we believe the crop will go on the market in good shape and present prices can be maintained. We caution strongly against dumping, but market gradually. We do not recommend holding for the minimum price of 60 cents, as this is higher than it should be in view of the government report of nearly 100,000,000 bushels more than last year. When farmers have their own reporting system, one that will get a complete report of the amount of supply, at any time, in 48 hours, there need not be any uncertainty about future price.

All grains are in strong, statistical positions. The visibles are so low that they cannot be depended upon to supply the demand many days and farmers appear to be acting their part well, i. e., they feed the market at or around the minimum prices. If the speculators do not corner some of the crops we do not expect high prices such as were witnessed in the first half of 1909. Farmers should not encourage corners, but keep on feeding the markets at fair prices. If they will do this, corners will be impossible.

A nation-wide revolt against the high prices of the necessaries of life exists. Changes in the prices of commodities, and always upward, were never so general before. The greater cost of living has also caused unrest to enter the ranks of labor. The demands for increase in wages is very general and insistent and, as is usual, it is generally refused by the large employers. What the final outcome will be no person can predict, and no person appears to have a remedy. We believe, however, that this problem, like many others, must wait for its real solution on the completion of the farmers organization. We believe the solution of the problem will not come from Washington, D. C., but from the farmers. By this we do not intend to intimate that the farmers are receiving too high prices, they are not. But when the greatest class of our people—the farmers—is organized along industrial lines then they can use their combined power to compel a wise and just government which in turn will compel equity in all the business relations of life. Give us equity in business—a fair wage for labor, a fair price on each commodity, economical administration of government, and always values of one class of goods, or labor, in fair ratio with other values, then the problems of incomes and of living will be solved.

VISIBLE SUPPLIES

The visible supply of wheat in the United States, on January 15, 1910, by Bradstreets report was 34,685,000 bushels. That was 1,709,000 bushels less than two weeks before, 25,278,000 bushels less than a year before and 16,803,000 bushels less than two years before.

The visible supply of corn on the same date was 15,485,000 bushels. That was 2,223,000 bushels more than two weeks before, 2,161,000 bushels more than a year before and 6,736,000 bushels more than two years before.

The visible supply of oats on the same date was 14,289,000 bushels. That was 2,043,000 bushels less than two weeks before, 1,437,000 bushels less than a year before and 259,000 bushels less than two years before.

The visible supply of barley on the same date was 4,370,000 bushels. That was 738,000 bushels less than two weeks before, 2,697,000 bushels less than a year before and 2,177,000 bushels less than two years before.

The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, with comparisons, was:

	Week ending Jan. 14 1910	Jan. 7 1910	Jan. 15 1909
American	3,807,718	3,854,431	4,449,966
Other kinds	1,132,000	1,099,000	966,000
Total	4,939,718	4,953,431	5,415,966

Price of cotton: New York, Jan. 22, middling Upland, 14.70c; middling gulf, 14.95c. The price is 1.15c lower than two weeks before.

PRICE OF CASH GRAIN

The closing prices of cash grain in the principal markets, on Jan. 22, with comparisons, were as follows:

CHICAGO—Wheat, No. 2 red, $1.25@1.26½, two weeks before, the same. Corn, No. 2 67@67½c, two weeks before, 64½c. Oats, No. 2 white, 50c, two weeks before, 47@48¼c.

ST. LOUIS—Wheat, No. 2 red, $1.29@1.30, two weeks before, $1.32@1.32½. Corn, No. 2, 66c, two weeks before, 66½c. Oats, No.2, 49c.

KANSAS CITY—Wheat, No. 2 red, $1.22@1.26, two weeks before, $1.22@1.28. Corn, No. 2, 66½@67½c, two weeks before, 65c. Oats, 47½@50½c.

CINCINNATI—Wheat, No. 2 red, $1.25@1.28, two weeks before, $1.29@1.32. Corn, No. 2, 68@68½c, two weeks before, 48½c. Oats, No. 2, 51@51½c, two weeks before, 48@49c.

NEW YORK—Wheat, No. 2 red, $1.30, two weeks before, $1.29@1.30. Corn, No. 2, 75@75½c, two weeks before, 72½@73c. Oats, No. 2, 53@55½c, two weeks before, 52½@54½c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.13½@1.14½, two weeks before, $1.15½@1.16⅝. No. 1 Northern spring, $1.13@1.13¾, two weeks before, $1.15⅛@1.16⅛.

FUTURE PRICES OF GRAIN

Chicago futures closed Jan. 22, 10 as follows:

WHEAT—May, $1.11⅜, July, $1.02, Sept., 97⅝c.

CORN—May, 68⅛c, July, 67¾c, Sept., 67½c.

OATS—May, 48c, July 44¼c, Sept., 41⅝c.

CHICAGO PRODUCE MARKET, JAN. 22.

POTATOES—Prices ruled steady, market higher, sales were made at 50 to 52c. The top price required extra fine stock. Receipts fairly good and liberal receipts are expected Monday.

Arrivals by cars, with comparisons, follow:

	This week	Last week	Last year.
Monday	85	60	82
Tuesday	52	46	50
Wednesday	46	43	26
Thursday	67	54	42
Friday	53	20	64
Saturday	50	5	60
Total, 6 days	353	228	324

PRICES—Minnesota, Wisconsin or Michigan—Good to choice white, 46@50c; fancy, 50@52c; fair, 43@45c. The price is 2 to 3c higher than two weeks ago.

HAY—Demand good and market firm. Offerings moderate. Price—Choice timothy, $19.00@19.50; No. 2 timothy, $17.00@17.50. The price is $1.50 per ton higher than two weeks before.

BEANS—Are ruling firm and show a fair trade, more especially Pea Beans. Receipts remain light. Price—choice handpicked Pea, $2.20, prime $2.15. Mediums about the same as Pea Beans, Red Kidneys, poor to choice, $2.60@2.90. The prices rule the same as two weeks before.

APPLES—A steady to firm market for barrel stock. Seems to be a very fair state of trade from dealers standpoint. Very little fruit coming from growing points. Demand supplied by cooler stock, withdrawals from cold storage fair. Market has run along in a steady way as there has been nothing to affect prices. Prices per barrel—

	No. 1	Fancy
Ben Davis	$2.25@2.50	$3.50@3.75
Jonathan	3.50@4.00	4.50@5.00
Kings	2.75@3.00	3.50@4.00
Spies	2.75@3.00	3.25@3.50
Baldwins	3.00@3.25	3.75@3.50
Greenings	3.00@3.50	3.75@4.00

The price is the same as two weeks before.

EGGS—Buyers are limiting their purchases to immediate needs which makes a light demand. Receipts not large, but sufficient for the demand. Tone of market weaker. Storage eggs easy and slow sale.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week Cases.	Last week Cases.	Last year Cases.
Monday	1,905	1,802	4,729
Tuesday	1,953	2,190	5,419
Wednesday	2,625	2,512	4,177
Thursday	1,873	3,310	3,758
Friday	2,840	2,177	4,710
Saturday	3,434	2,703	4,431
Total	14,630	14,694	27,224

Receipts April 1, 1909 to Jan. 22, 1910, 2,845,529 cases.

Receipts April 1, 1908 to Jan. 23, 1909, 2,673,505 cases.

Receipts April 1, 1907 to Jan. 25, 1908, 2,763,615 cases.

The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases included 25@30c; two weeks before, 25½@30½c.

Ordinary firsts, 30c; two weeks before, 33c.

Prime firsts, 34c; two weeks before, 38c.

Refrigerator, extras, 25c; two weeks before, 26@27½c.

MISCELLANEOUS NEWS

See Minimum Prices on the Local Union page.

A distribution of $20,000,000 in common stock is to be given the stock holders in the International Harvester Company as a dividend. This will make the capital stock $80,000,000. For the increased stock the old stock holders did not pay a dollar, but the earnings of the company are so large that it is still expected to pay 4 per cent. on the increased capitalization.

The United States Agricultural and Industrial Exposition Company has been organized at Hartford, Conn., according to report. It is said the objects of the company are to organize and hold agricultural and industrial exhibitions. The display of agricultural implements is said to be one of the chief objects.

Nearly $900,000,000 worth of agricultural products were exported in 1909 against less than $800,000,000 in 1908. The highest exports was in 1907, $1,049,000,000. The same report, which was from the Department of Commerce and Labor shows that most of the food crops have decreased in the past ten years but cotton and cotton oils, fruit, nuts and some other crops have greatly increased.

The old agricultural implement manufacturing house of David Bradly Company has been purchased by Sears Roebuck & Co.—one of the big mail order houses.

The national convention of the National League of Commission Merchants of the United States was held at Norfolk, Va., Jan. 17-21. It was the 18th annual meeting, 500 to 600 members and guests attended. One of the chief subjects before the convention was uniformity in weights and measures throughout the U. S. Another important measure is the adoption by the railroads of a uniform bill of lading especially adapted to perishable shipments. Also some better provision through the Interstate Commerce Act for regulating the icing and reicing by the carriers, of perishable shipments and some more equitable system of charging for such service. The following officers were elected: Pres., A. D. Gail, Buffalo; Vice P., C. W. Kimball, New York; Sec., John H. Shreve, Washington; Treas., H. Funch, Cincinnati. The next convention will meet in Minneapolis.

A reporter from Traverse City, Mich., has this to say of the potato situation: Demand is picking up some. The smaller markets are filled up to such an extent that the large markets have not the chance to unload as they have done in former years, and this fact is helping to keep prices down." And all of this emphasizes the necessity of organization and correct reports of supply and when the demand exists.

While apple prices in Chicago have been practically stationary for weeks advices from some eastern cities report declines "under heavy receipts."

Report says that the Million Dollar Raisin Company of California is dead, because growers failed to take the proper interest in it.

A dispatch from Atlanta, Ga., says that 60 per cent. of the coming 1910 peach crop of Ga. has been signed to the Fruit Exchange to market. This exchange handled the bulk of the 1909 crop satisfactorily. The '09 crop was a light one.

The Government will investigate the Chicago packing houses on the suspicion that they are largely responsible for the high prices of meat.

Commercial agents of Florida railroads have reported that only 20 per cent. of the citrus fruit escaped the hard freeze in that state.

The late reports from Washington indicate that the government is now less determined to prosecute the Burley Tobacco Society for alleged violation of the anti-trust law.

It is reported that Senator Beatty and Attorney General Deuman, of Ohio, propose to draft a law which will make it unlawful to place food articles in cold storage longer than 60 days. They are trying to relieve the stress felt by consumers, because of the high prices of food.

About 100,000 barrels of apples were stored in Indianapolis cold storage houses this season. This fruit is now going onto the market.

Some Wisconsin holders of cabbage sold recently at $25.00 a ton. Almost simultaneously we get word from Florida points that the new crop cabbage is moving

BULLETINS

The following named bulletins and publications have been received since our last report. Usually they can be obtained free on application. We recommend our readers to send for all that they think will interest and benefit them and mention UP-TO-DATE FARMING.

United States Department of Agriculture, Washington, D. C.—Circulars: Benefits from Exterminating Ticks; No. 44, Minor Articles of Farm Equipment. Bulletins: No. 383, How to Destroy English Sparrows; No. 386, Potato Culture on Irrigated Lands of the West.

California Experiment Station—Berkley—Bulletin: No. 205, Commercial Fertilizers.

Illinois Experiment Sta., Urbana—Bulletin: No. 143, The Economy of the Round Dairy Barn.

Maryland Agricultural College, College Park, Quarterly, No. 46, Feed Stuff Analysis

Michigan Experiment Sta., East Lansing—Bulletin: No. 257, Rearing Calves on Skim Milk Supplementary Feed.

Nebraska Experiment Sta., Lincoln—Bulletin: No. 112, Experiments With Corn—Breeding, Thick and Thin Planting, Tillage and Uniform Distribution of Seed.

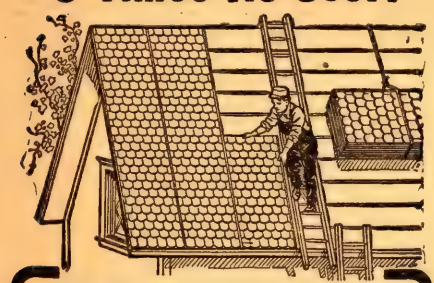
Ohio Agricultural College, Wooster—Extension Bulletin VOL. V. No. 5, Propagation of Plants.

New Mexico Experiment Sta., Agricultural College—Bulletin: No. 72, Denatured Alcohol.

Pennsylvania Dept. of Agriculture, Harrisburg—The Zoological Press Bulletin, No. 38, "Timely."

Rhode Island Experiment Sta., Kingston—Bulletins: No. 136, Ropy Milk; Analyses of Commercial Fertilizers.

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UP-TO-DATE FARMING

Production and Marketing

MIGRATION OF FARMERS.

There has been a migration of farmers. Not so many years ago the center of population was near the Atlantic coast; but each succeeding census has shown it a little further west. Most of the time it has moved gradually and slowly as the ponderous but irresistible iceberg moves; but always moving. Sometimes in the case of the opening of reservations. These rushes prove that people want other homes, and that they want them in the West.

Why this constant moving westward? Various reasons are given, the most reasonable of which is no doubt that people long for a new country. When the broad fields of the West were made accessible, it was natural that ambitious and enterprising Americans were eager to get away from the crowded East into a region where they could plume their wings, gratify their ambitions, and do their best.

But in many cases abandoned farms were left in the East. Not all of these abandoned farms, however, were left by those who sought new homes in the West. Many of their occupants quit business. Why? Because farming ceased to pay. Writers tell us they had cropped, and cropped, and overcropped, until the land ceased to produce. That is only part of the truth. Those who abandoned the farms in the East were more intelligent than most farmers, and proved themselves so in other business. But conditions which surrounded the farms, farming as a business rather than the farms as a means of production, made it impossible for the farmers to compete with those in other productive industries. The manufacturing concerns, of which the East is the center, knew what prices they would charge for their stuff, and they regulated their output to meet the price. So did the millers, the transportation companies, the mine operators, and even the house builders and laboring machinists. The merchants, of which there were large numbers, located in every city, town and hamlet, fixed a definite profit on all their goods, and sold so as to secure the profit.

These people all knew with measurable certainty what their incomes would be. The farmers did not. They knew they must work, they and their teams and their families; that they must plow, and plant, and cultivate, and harvest, and that their income must depend upon the surplus they produced, and the value of that surplus must depend upon the price that was paid for it. What that price would be they never knew. Those who bought the stuff determined what should be paid for it, and whether that was much or little depended upon the contending forces on the boards of trade or in the gambling pits.

No attempt was made or could be made to guage the output to the demand so as to regulate and make permanent the price. But one advice was given them, and that was to increase the production. If the price was low and the crop was unprofitable, they were told to increase the crop and have more to sell. Often, after a desperate effort to do that, the increased quantity failed to bring as much money as the small crops of the year before. (See the records of the United States Department of Agriculture.)

In the midst of this uncertainty, what could the farmers do? They dared not venture upon improvements. If the soil became exhausted of fertility, they had not the means to replenish it. If the buildings got out of repair, they could scarcely afford to repair them. If the farm ran down they dared not spend money to build it up. They could have on the farms only a very indefinite idea of what the price of their crops was to be, and they knew that price was made by somebody entirely foreign to their business. It was all guess work. They could not depend upon it, and dared not make unusual expenditures.

The West held out its broad arms invitingly to them, and the other callings around them stood on solid foundations, those engaged in them controling both price and output. Is it any wonder Eastern farms were abandoned?

And the same fell influence is following the farmers to the West. They may find more room there, and the new acres may smile up in their faces with rich and abundant products, but Greed still makes the price, and the farmer is the last to hold the bag.

We may well exclaim with the agonizing Prophet: "How long, O Lord, how long!" But it will be until the farmers themselves throw off the shackles. They are God's children as much as any others. They are citizens of the United States, proven as true and faithful as any other. And they have a right to control their business the same as those of other vocations. They can and they should. **WILL YOU?**

THE SOY BEAN AS A FORAGE CROP

We have several inquiries concerning Soy beans as a forage or hay crop. The Soy bean is a legume, and it is, therefore, a soil renovator; but we think the cow pea ranks it both as a feed producer and a nitrogen gatherer. But we are glad to give our readers all the information regarding any of these crops that it is possible for us to give. The Soy or Soja bean came to the United States from Japan and China not so very many years ago, and has won no little favor in quite a broad area. Dr. S. A. Knapp, chief of the demonstration work of the bureau of plant industry, gives the following concerning it:

1. Soy beans have a determinate growth; that is, they mature at a definite period and perfect their fruit, while most cow peas continue to grow and put on fruit till killed by frost.
2. They grow nearly erect and with few exceptions do not vine; hence are more easily harvested than other varieties.
3. They produce the pods mainly in centrally located clusters, which with the perfect maturity of all, adds to their value as seed producers.
4. The Soy bean is more drouth resistant than the cow pea and will withstand more excessive moisture; hence is a safer crop producer.

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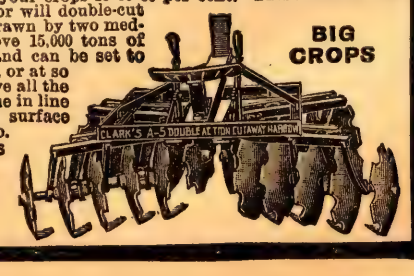
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5. The Soy bean will withstand more frost in spring or fall than the cow pea.

6. The Soy bean is much superior to the cow pea as a grain producer. It is harvested more easily and the beans are much richer in protein.

Soy bean meal is richer than average cottonseed meal and can be used to great advantage as a mixture with corn meal. A mixture of one-third Soy bean meal and two-thirds corn meal is much better than corn alone. It produces a more rapid and vigorous growth, and is more economical. A bushel of Soy beans is worth two bushels of corn.

The Tennessee Agricultural Experiment Station has shown that an acre of Soy beans is about 50 per cent. more valuable than an acre of cow peas upon similar soil. They are also much more valuable than corn for production of beef, acre for acre.

Prof. Morgan stated to me that he should in future urge the reduction in acreage of corn and devotion of more land to Soy beans.

The Soy bean generally does well on soils adapted to corn, especially if fertilized with barnyard manure.

It should be harvested when the leaves begin to turn yellow.

The yield of beans per acre runs from fifteen to forty bushels.

The straw after the beans have been removed is about as valuable for stock food as Timothy hay.

Soy beans mixed with corn make very valuable ensilage, much better than the corn alone.

It is more easily cured for hay than the cow pea.

On the contrary, the Soy bean is some like alfalfa rather particular about the soil on which it will thrive. On poor land and on most Southern soils, the cow pea is surer and will give better returns for fodder. The cow pea is also superior for green manuring and soil renovation. It shades the land more completely and should always be used in the corn field as a secondary crop between the rows in preference to Soy beans.

A RENTER IN CENTRAL ILLINOIS.

For the benefit of both landlords and tenants, Mr. Arthur J. Bill tells of the cost and income of a rented farm in Sangamon county, Illinois. The renter paid $75 per year for the use of the house, barn, lots, orchard and garden, all covering about five acres. He paid $5 an acre for twenty acres of pasture and gave one-half the corn raised on another twenty acres. The total expenses for the year are summed up thus: Rent, $175; hay bought for feed, $70; feed bought for poultry, $77; other poultry supplies, including some lumber for better equipment, $23; total, $345.

Five cows were kept and 1,275 pounds of butter were sold at an average price of 31¾ cents per pound, making $404.81. Three calves were sold for $27.41. Three hogs, having milk as part of their ration, were sold at 6 cents per pound, amounting to $40.80.

Two hundred and fifty hens were kept and from these 1,144 dozen eggs were sold at an average price of 16 cents, $183.04; chickens sold, $100.-83; turkeys sold, $56.90; total income from poultry, $340.67. The tenant estimates the total income of the place at $854.69, which would include the sale of $41 worth of other products than those named above.

The tenant's half of the corn amounted to 650 bushels, most or all of which was fed on the place. Deducting the total money expense named, $345, from the income, $854.-69, the profit is seen to be $500.69. And to get the man's total net income for the year's work there must be added to it whatever money he earned outside of this farm.

Of course, the family living must come out of this total income, but in spite of the high rents paid, the tenant farmer made money. But it took management. As the saying goes, every edge had to be made to cut. And that is as it should be, whether the farmer owns the farm or rents it.

Each to His Part

The hen remarked to the brindle cow,
As she cackled her daily lay
(As the hen cackled), "It's funny how
I am good for an egg a day.
I'm a fool to do it, for what do I get?
A perch and a place to scratch. My!
The poodle gets that, and he's only a pet,
And never has laid a single egg yet;
Not even when eggs are high."

The cow remarked to the cackling hen,
As she masticated her cud—
(The cow masticated), "Well, what then?
You quit your lay and your name is mud.
I'm good for gallons of milk a day,
And I'm paid my stable and grub.
But the parrot gets that much anyway—
All she can eat—and what does she say?
Some silly words she has learned."

But the hired man said to the angry pair,
Stroking a scraggy beard—
(The hired man stroked), "You get all
that's coming to you;
The poodle can bark and the parrot can
swear,
And that's what you can't do.
Each one to his place and performing his
task,
And getting his work in square,
And that puts you where you are,
And makes this a home for you."
—*Adapted.*

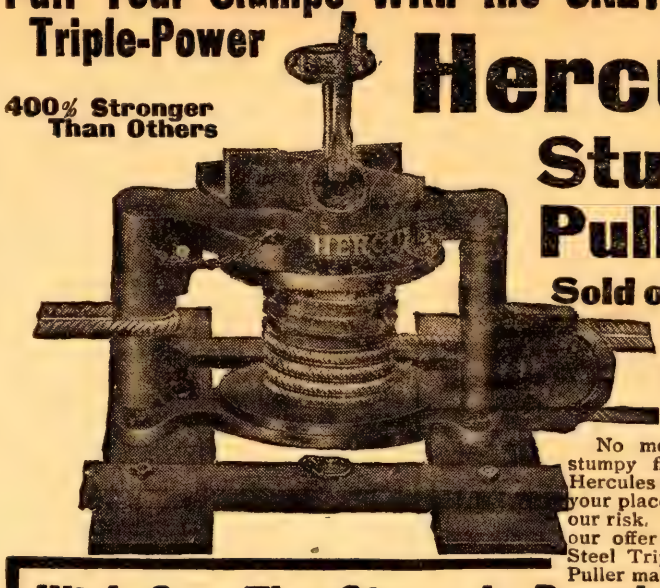
IS THE POTATO A PAYING CROP?

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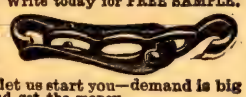
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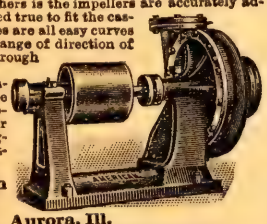
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KEEPING UP THE FERTILITY OF THE SOIL

THE soil is the farmers factory. Out of the soil are produced all the grain, fruit, vegetables, hay, cotton, etc., and from some of these are produced beef, pork, mutton, eggs, butter and other finished products.

It is clearly evident that from year to year, farmers have been using up the stored plant food in the soil, which is the farmer's raw material, without sufficiently replenishing the same. To illustrate: A steer or fat cow, weighing one thousand pounds, carries with it, when it walks off of the farm, about forty pounds of phosphate of lime about two and one-half pounds of potash and about twenty-seven pounds of nitrogen. These, understand, came from the soil and the soil was left with that much less of raw material out of which to manufacture more products. When the raw material, that is, nitrogen, phosphoric acid, potash, lime, sulphur, magnesia and other plant food contained in the soil is exhausted, then the farmer's factory will refuse to turn out finished products, no matter how hard he works, how good he plans or how many men he employs.

A manufacturer uses every care in every department of his factory. He sees to it that there is plenty of raw material of the right grade, and the goods he produces he aims to be of the best quality at the lowest cost.

Have farmers taken the same care to have their factory supplied with the raw material, so that their efforts will be the most resultful of grain, meat, cotton, wool milk, eggs, fruit, vegetables, etc? If they have not, then it will surely follow that the crops were produced under disadvantages, under uneconomocal conditions and were of a low quality that prevented the producer from securing the price that products produced under better conditions would have commanded. A farmer can easily take account of his visible stock, that on the surface, but is too often neglectful of the invisible raw stock, or material in the soil.

Prosphoric Acid

Phosphoric acid is one of the most essential plant foods. It exists in two forms, soluble and insoluble. The soluble is worth from thirty to fifty per cent. more than the insoluble; therefore, the farmer should be very careful in buying to distinguish between the soluble and insoluble phosphoric acid contained in the fertilizer. A very much smaller quantity of the soluble phosphoric acid is necessary to produce a desired result, than of the insoluble. Therefore, in using phosphoric acid, if the insoluble is used, a larger investment will be necessary in the first place, and while it will become available in time, it is just like having that much more money lying in a place where it does not return interest. In the case of insoluble phosphoric acid, it may be eight, ten or more years before all of it becomes available and before it has returned its dividends to the farmer for his original investment.

Potash

Kainit is probably the cheapest form of potash. It contains a large amount of common salt. Potash has a very marked effect on good crops and has a tendency to promote early maturity. Potatoes are particularly benefitted by liberal dressings of potash. It causes a more vigorous growth and has oftentimes been a good preventative of blight in sections where blight is prevalent. Light and poorer qualities of land respond most readily to potash.

Lime

Lime may, or may not be a good plant food, but there cannot be any mistake that it has a most beneficial effect on many soils, probably in making available the plant foods that already exist in the soil in unavailable conditions. Experiments have proven that soils deprived of lime will cause a stunted plant. Whether the soil needs lime or not must be determined by experiments and experiments that will be necessary can easily be decided upon and carried out by any farmer. Keep in mind that where it is needed, it is needed badly and when soil does respond to lime, the investment need be very small as compared with the benefits that will be realized. This is probably because the application of the lime makes available great quantities of unavailable plant food already existing in the soil. Lime is necessary in the soil so that it may be transmitted to the plants and through them to animals. It forms a large portion of bone, teeth, etc., in the animal body.

Nitrogen or Ammonia

We want to emphasize the importance of experimenting with lime, to see if the soil needs it. By its chemical action, lime corrects or neutralizes the acid conditions in damp, marshy and clay land. The English Rothamstead Experiment Station says, "Lime is a necessary ingredient of every agricultural soil. Without it plants cannot grow."

Nitrogen is a very quick acting fertilizer and it is particularly valuable on grasses and most vegetables, except that it is not recommended to be too liberally used with clover. One sources of nitrogen is blood and meat refuse, and these are probably the best because they hang to the soil better than nitrogen applied as Nitrate of Soda. In the form of Nitrate of Soda it is good to give in the Spring and through the growing seasons, particularly to vegetables and small fruits. Strawberries show wonderful benefits from such an application, increasing their size and lusciousness.

Salt

We want to make this article as complete as possible, therefore, we will touch on common salt as a fertilizer. There appears to be cases where small dressings have shown beneficial results, but on the whole, we believe it is best to leave it alone. Like with many other things, farmers may experiment on a small scale with salt on their land and be governed by the result.

The question naturally arises with each farmer, what fertilizer or fertilizers should I use? Also, can I have my soil analyzed and thus determine what fertilizers and how much should I use?

Answering these questions, will say that it is hardly practicable to make such a thorough analysis of the soil on any farm to determine these points. The best way, and a practical way for each farmer to pursue, is to make his own experiments. Purchase small quantities of fertilizer, containing the various plant foods and also in varying quantities, and then apply them on the different parts of the farm where different qualities of soil exists. Be sure to watch the crops, make careful records of everything that is done, and also careful records of each result, and do not forget to keep a record of the season, that is, as regards rain-fall and temperature, because these will have an influence, and unless they are taken into account in the final conclusion, they might jeopardize the value of the findings.

If our readers are not acquainted with places where they can buy fertilizers, we will be pleased to publish some of the sources of supply in UP-TO-DATE FARMING on request.

THE HUMAN SIDE OF TWINE

When we drive home from the implement dealer with our little load of Sisal twine for the coming harvest, we do not often realize that we are giving that twine its final lift on the journey of many thousands of miles which it has taken months to make. Seldom do we appreciate when we give it its final resting place in the binder box that the first hands which touched it were those of a Maya boy or girl in far off tropical Yucatan whose ancestors were a great civilized people, with temples and literature, centuries before Columbus came ashore in his red velvet suit.

Or, if it is Manila twine, the first step in its long pilgrimage was under the guidance of a bare-footed, brown-skinned little Filippino savage, who perhaps never heard of a binder, and whose views of agricultural implements are a pointed stone or a crooked stick.

Yet, if it were not for the industry of these two widely separated nations, the farmers of this rich state would still be obliged to bind their grain with old-fashioned wire, which never worked or with untrustworthy cotton strand. In fact, the problem of twine was the problem of successful binding for years after the self-binder was an established fact.

It took many years and thousands of dollars to eliminate this primary drawback to the early grain growers of the country. One manufacturer alone spent $15,000 trying to make twine out of grass, $35,000 using paper as a substitute, and $43,000 on straw—all in the end to be discarded as unsatisfactory. Then, after searching the world with a close tooth rake, as it were, it was found that two fibres could



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30-DAY FREE ROAD TEST—2-YEAR GUARANTEE

Ohio Carriage Mfg. Company, Station 99, Columbus, Ohio

be made to do the work—Manila and Sisal. The Manila—long, soft and even—had generally been used in multiple strands for making cable and cordage; while the Sisal—strong, pliable and smooth—was found to lend itself perfectly for the manufacture of a single-strand cord, such as the self-binder necessitated.

Then commenced a merry struggle between the distant races for the honor of supplying the twine which was to make His Majesty, the American farmer, the greatest food producer in the world. At first, owing to the established position of the Manila hemp trade caused by the cordage industry, the little brown brother in the Philippines forged ahead, but he made no progress in his methods of production, using knife and block and other simple methods followed by his primitive forefathers in extracting the fibre. It was soon seen that Sisal would either be the ultimate material to supply this demand or the demand would not be filled. At this point of the race a number of clever aggressive Yucatecans, educated in the sciences in this country and abroad, sprang into the game. They saw the future commercial possibilities of the neglected Sisal plant. At their own expense they built railroads into the arid, dry territories where henequen grew. They invented new machines, capable of cleaning 100,000 leaves a day, and soon began to compete on an equal basis with the Manila fibre.

The Spanish-American war temporarily advanced the price of Manila fibre to such an extent that good grades of Manila fibre commanded a price which was practically prohibitive for binder twine. Therefore, manufacturers of binder twine concentrated their energy and genius in the production of a perfect binder twine from Sisal. This required some adjustment of machinery and some change in methods, but manufacturers of twine succeeded so that the twine made from Sisal has for some years been as perfect and satisfactory as any binder twine ever made from any material. This has resulted in the increased use of Sisal, until during the past season not less than 85 per cent., and possibly 90 per cent. of the material which went into the manufacture of binder twine in the United States was Sisal fibre.

First-class binder twine can be made from high-grade Manila fibre, but it is very difficult to make even a reasonably good article of binder twine from low-grade Manila. Before the American occupation of the Philippine Islands, the Spanish officials at times exerted their arbitrary power for the purpose of maintaining the quality of the fibre which was produced by the natives. It was not an uncommon thing for the governor of a district to sieze a quantity of inferior fibre and publicly burn it in the middle of the plaza. This was an object lesson to the natives to produce better grades of fibre. However, since the Americans have taken possession of the Philippine Islands, no authority has been exercised and no influence exerted by the officials in connection with the quality of fibre. The result is a very much greater proportion of low-grade fibres than has ever been produced in previous years. Unquestionably, large quantities of this low-grade fibre will be used in the manufacture of binder twine for the harvest of 1910, and it is unnecessary to state that those who attempt to use twine made from this low-grade Manila fibre will have troubles of their own.

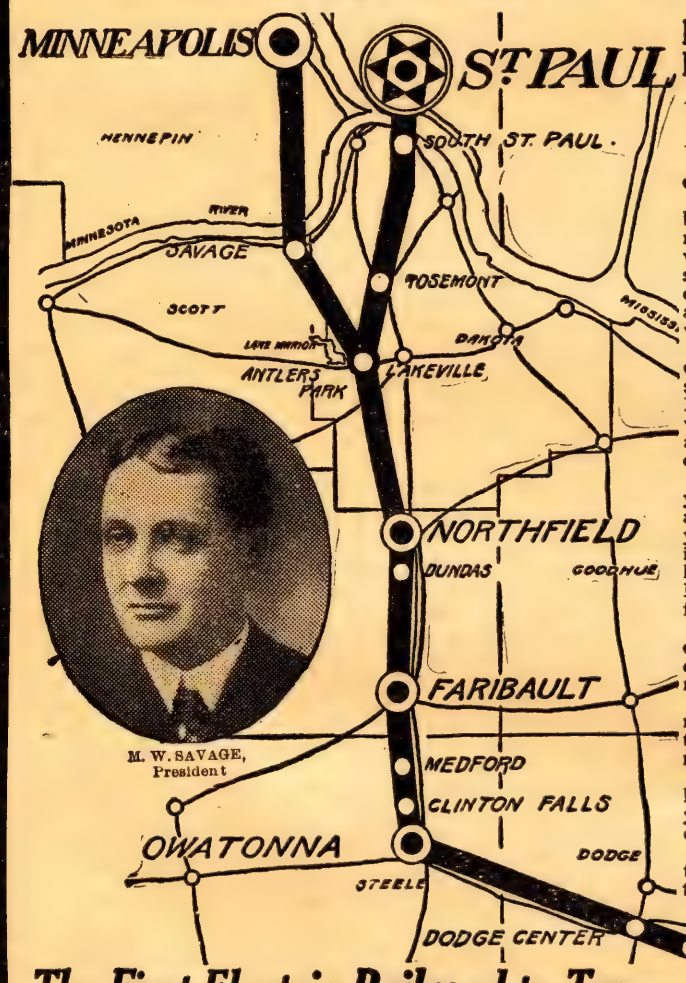
There may never be a famine in twine, but it is rather to the farmers interest always to keep a weather eye on the future, and in this particular instance to secure his twine supply, whether it be Sisal or Manila, at as early a date as possible.

FARM WANTED

Hundreds of readers of Up-to-Date Farming want to buy a farm. Have you one for sale? Advertise it in the Business Exchange for quick purchaser. Rate 4c a word.

Electric Railroads Big Money-Makers

I Am Building the Dan Patch Electric Railroad and Offer You This Opportunity to Make Money With Me in This Enterprise



M. W. SAVAGE, President

I WILL GIVE YOU $1000 IN VOTING STOCK, FREE, IN ADDITION TO YOUR SMALL INVESTMENT.

I BELIEVE I can show you the best electric investment opportunity that ever came to your notice—I firmly believe it and I have backed up my belief by a $100,000 investment myself. I don't want you to say "yes" or "no" until you give me a chance to talk with you a little while.

If you've got some money that you want to place where it will bring you big returns, or if you want to invest a little each month out of your income, just pin your faith to **me** for a little while until I can lay before you an investment proposition that strikes me as a great, big money-maker for the people, and the indisputable facts bear me out in my judgment—I want you to have all the facts and then I believe you will want to put your money where it will work for you, and you only.

Now, the first thing to do is to send for my big 40-page "Book of Electric Railroad Facts," which I'll mail you free, and at the same time I also send you my other Book called, "Why Wall Street Rules With The People's Money." When you get these two books, which contain all the facts about the Dan Patch Electric Railroad and about me, personally, then I'm willing for you to sit in the quiet of your home and pass judgment on the whole proposition.

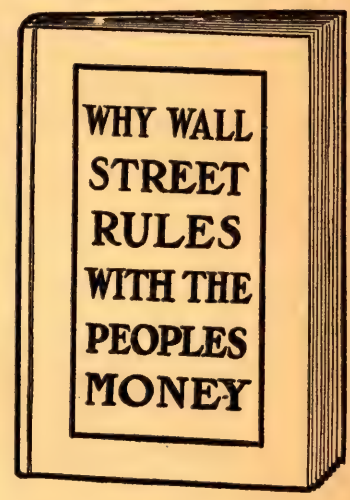
I just want you to have these two free books that will open your eyes about banks and Wall Street and investments in general; and when you get these two books I'll take my chances on whether you'll say, "Savage is wrong" or "Savage is right," and it won't interfere with our feelings or friendship if you never invest a dollar or never write me again. I offer you these two books free—I want to show you how you can make your money work and earn for you.

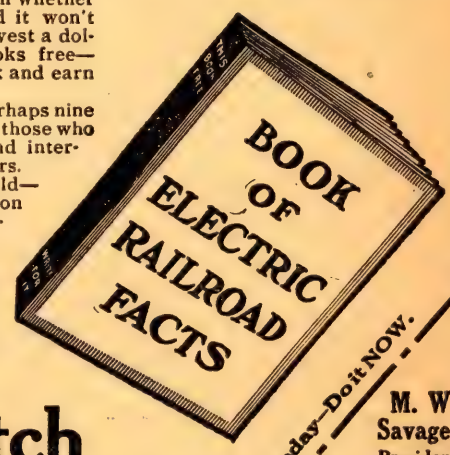
Now, just a minute, while I give you a few facts. Perhaps nine out of ten readers of this paper know me already, but to those who do not, I want to say that I've been doing a national and international business out of Minneapolis for the past 22 years.

My business is now the largest of its kind in the world—made so by the continued patronage of nearly three million thinking, progressive, hard-working farmers and stock-raisers.

These people are my friends and customers—many have already invested in my new enterprise—some from your own State and from every State in the Union and every Province in Canada.

I have built up a number of big enterprises here in the Northwest and now I'm building the biggest of them all. The





The First Electric Railroad to Tap the Wealth of the Great Northwest

Dan Patch Electric Railroad

Yes, the Dan Patch Electric Railroad, running from Minneapolis to Rochester, and back from Lakeville to St. Paul.

I am not merely "thinking" of building this Railroad; I am really building it now—grading on the first section is about completed and we have started grading on the last division from Owatonna to Rochester.

I am working to make this the best-constructed and biggest dividend-paying Electric Railroad in the country. High-class Electric Roads from New York to Spokane are great money-makers. I tell you all about it in my Big Book. This is the second time I have given the people a chance to share with me—my other enterprise paid 8 per cent in less than one year—the dividend checks were mailed out on June 1st.

Now is your chance to share with me in this enterprise—the greatest of them all. I will give you $1,000 in voting stock in addition to a small investment. I want to send you the estimated net-profit statement, showing how a $5,000 investment grows to $17,280.00. How a $1,000 investment grows to $3,456.00 in a single operating year. How a $500 investment grows to $1,728.00, and a $100 investment increases to $345.60 in a single operating year. This information is contained in my Big Book of Electric Railroad Facts. I want you to have it even though you never invest a dollar, and I am especially anxious for you to have my new Book, "Why Wall Street Rules With The People's Money."

Don't be backward about sending for these books. I want you to have them and they won't cost you a cent—they are free—some of these Wall Street secrets will open your eyes. I want you to see how the people's money works for Wall street. I want to show you how to make your money work for you and for no one else. Send for the two books now.

M. W. SAVAGE, President, Minneapolis, Minn.

If interested I want you to send this coupon today—Do it NOW.

M. W. Savage,
President
Dan Patch Electric Railroad,
Minneapolis, Minn.

Dear Mr. Savage:—I don't know whether I'll invest any money or not, but would like to have you send me your two Books—without any obligation on my part—"Book Of Electric Railroad Facts" and "Why Wall Street Rules With the People's Money,"

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Give us ***your*** dealer's name and ask for our booklet No. 22—it is ***free.*** Don't buy a gasoline engine until you ***read*** it.

Ideal Gasoline Engine

"Built for the Farm"

We manufacture small engines, 1½ to 8 horse-power—***nothing else***—all our efforts are devoted to producing small, low-priced engines that are ***perfectly adapted*** to the various uses of the farmer.

They are as nearly ***perfect*** as money and years of expert experience can make them.

Ideal engines are ***fully guaranteed*** for one year and are sold subject to a thorough trial—must be perfectly satisfactory—***you*** to decide.

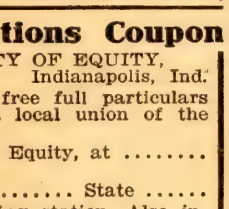
These engines possess patented Ideal features found in ***no other engines***—features that you will appreciate—the booklet describes them.

Ideal Motor Company, Lansing, Mich.

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which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course.

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MORE ROUGHNESS AND PASTURE.

We have often emphasized the fact that more stock must be raised on the farms; and to do that there must be more forage—more rough feed and better pasture. The idea that any field not cultivated is good enough for pasture must be turned down, and the pastures must be made productive. An old and somewhat degenerate meadow may become a profitable pasture, but it must be looked after as one would look after a cultivated field, to see that it is feeding the stock that run on it. A good set of red top makes a rich and durable pasture; and so does a good set of bluegrass, the latter being about the best that can be had. Pastures are greatly preserved, and much is added to their value, if in two or more fields, so that the stock may be transferred from one to another, so as to keep the stock in fresh grazing and give the pastures a chance to recuperate.

For hay or rough feed the farmer has considerable latitude of choice. We leave out timothy, because there are other feeds that are better for cattle, and timothy always finds too ready a market at too high a price to make it profitable to feed to growing stock. Red top, even threshed red top, if well handled, is a cheap and very good winter feed for cattle. We have used it with very satisfying success. Red clover stands well at the top of the column, but well handled clover is now reaching an attractive place in the market, and to make it profitable to use good clover hay, it must be fed to good stock, or to such as will become good.

Of the crops that may be planted next spring, the annuals, cow peas, soy beans, millet, etc., may be considered. Of the three named, cow peas stand where we have placed them, at the head of the list. The ground sowed to peas should be as free as may be from weeds so as to give the peas a chance. Once the plants are up and have the ground well covered, they are able to take care of themselves. If some crabgrass grows among them it is not seriously objectionable if they are to be used for feed. If a good crop has been produced, and they have been well cured, they may be threshed, and yet yield a large amount of good cattle feed. Some feeders prefer the hay after it is threshed. Soy beans are much the nature of cow peas, but they do not vine so much as peas, and are not worth so much for hay. Both are legumes, and gather and leave nitrogen in the soil. Millet is liked as a spring-sown hay crop by some, but we have never taken very kindly to it for that purpose. It seems to be relished well by cattle, and we believe it would be good feed after threshing it, though we never tried it so. Sowed half and half with sorghum, and so thick the sorghum could not grow large, might result in a heavy yield of feed, but it would be difficult to cure.

BUYING FEED.

Judgment should be exercised in buying feed as in everything else. What are you feeding for; that is, what do you desire the feed to accomplish? Are you feeding work animals, milch cows, growing stock, or is your purpose merely to get through the winter in good shape, or are you fattening for market? What feed have you already that the bought feed is to supplement?

These questions are seldom considered by farmers in buying feed for their own use, but they are important. If feeding work animals, the ration should be well proportioned, strong and invigorating, so as to keep the muscles well nourished, strong, enduring and vigorous. If growing animals, the feed should be rich in protien, with phosphates enough for bone growth, and fat or carbon sufficient to counteract the inclemency of the weather. For milch cows there must be plenty of good water, if not too cold all the better, and feed with both quality and quantity to keep the animal well sustained, with its "machinery" supplied and in active operation, with a surplus of the elements which enter into the composition of milk. If the object is merely to get the stock through the winter, the feed is much simpler. No building is to be done. It is only necessary to keep the house in repair. The material is found in almost any kind of good feed, with a little extra carbon to overcome the extra cold of winter. If the stock is being fatted, fatting material must predominate in the feed, and that is found most certainly in the grains.

It can readily be seen that, if it is necessary to buy feed, there is room to exercise judgment. Hay is not needed if there is already plenty of suitable roughness, and if there is grain or feed rich in fat, then fattening feed is not required. It may seem foolish to say these things, but people do buy without sufficient thought or discrimination. To attempt to winter young animals on grain alone, or on hay alone, is bad, because in the one there is not enough fat to keep up the animal heat, and in the other there is not enough protein to afford material for growth. Buy to supply needed elements, and feed for a purpose.

DAIRYING AND STOCKRAISING WITHOUT GRAIN.

Holland is a good country for dairymen and stockraisers to go to school to. In that country sixty acres is a big farm, and on such farm, a writer tells us, the livestock usually consists of about 22 cows, 9 heifers, 40 sheep, 15 pigs and one or two horses. About 24 acres is meadow, and the rest is pasture, for the dairying and stockraising is on a strictly grass basis. Few fields are larger than five acres, and the cows are frequently changed from one pasture to another, to give the grass a chance to recuperate.

It is needless to say that the Hollanders are scrupulously careful with their breeding stock. None but the best are ever used, and the cows that are kept must make a record. One breeder, who keeps red and white Holstein-Friesians, made an average with thirty cows of 11,275 pounds of milk and 394 pounds of butterfat, equal to about 450 pounds of commercial butter. The milking period of the cows averages about 306 days, and no cow is milked longer than a year.

The feed in summer is pasturage, rich pasturage, of course, and the winter feed in addition to hay, is from two to four pounds of oil cake per day per cow. But each cow is given about thirty pounds of hay daily. The cow stables are about as well cared for, and kept almost as clean, as the living rooms. And the Dutch are not bad housekeepers.

Farmers, stockmen and dairymen all over the U. S. are interested in the new Fuller & Johnson Farm Pump Engine. The engines entirely do away with the necessity for windmills. They will pump from 800 to 1,000 gallons per hour from an ordinary well.

The Farm Pump Engine needs no special platform—no belts, arms, pump jacks, anchor posts, etc. It is all complete when delivered and inside of fifteen minutes can be set up and ready to run. Nothing to build and nothing to buy but gasoline.

It works outdoors in zero weather without freezing and can be quickly detached from the pump and moved wherever its power is needed for other purposes. The catalog of these engines is free upon request. Address Fuller & Johnson Mfg. Co., 512-73rd St., Madison, Wis.

DO YOU KNOW JIM BROWN?

There is a man in Cleveland, Ohio, who several hundred thousand farmers in all parts of the United States call Jim Brown, the Fence Man. He is the man who started the fight against the quick-rust wire fence that so many get-rich-quick manufacturers have been shoving off on farmers in recent years. He makes a fence which has won for itself the name "The Fence that Lasts," because it is made of heavier wires, has heavy uprights as well as heavy horizontal wires, and because it is not only really galvanized but is doubly galvanized. Write a postal to James Brown, Pres't. Brown Fence & Wire Co., Cleveland, O., Dept. 70, for "Jim Brown's Common sense talk on Wire Fences." You'll be glad you did it.

Don't Bury Your Profits

You are not getting the profits your work deserves when your hogs have worms. Worms take the nourishment out of the hogs' food that should go to make pork. They irritate the hogs' digestive organs and in short time work their way into the liver and kidneys. Your hog starves to death and your investment, as well as your profit, is wiped out. It's time for you to wake up and put a stop to these unnecessary losses in your herd. Feed your hogs

Iowa Worm Powder

It will rid your herd of these life destroying, profit stealing pests. It kills and expels the worms and leaves the hogs' stomach and intestines in condition to perform their natural functions. You know that animals cannot make gains when their digestion is impaired. Iowa Worm Powder is a sure worm killer.

Don't Raise Runts. Pigs should have a feed of Iowa Worm Powder by the time they are 5 weeks old. Worms will accumulate in very young pigs stunting their growth and cutting down your profits. Iowa Worm Powder is just as good for your horses and sheep as it is for your hogs. They all are more or less infested with worms.

FREE If you have never used Iowa Worm Powder we will send you a $1.00 package if you will send us 25c for postage and packing, and tell us how much stock you have on your place.

IOWA STOCK FOOD CO.,
Dept 7
Jefferson, Iowa.



IS IT POSSIBLE TO HAVE FERTILE FARMS WITHOUT LIVE STOCK?

Above is a question that is in the minds of a million of our farmers in the grain growing and cotton growing districts of the country.

These farmers have already decided in their own minds that with live stock, they can feed more of the grain produced on the farm and thus return more of the plant food extracted from the soil in producing the crops, back to the soil again. But they have not been stock raisers or dairymen, and oftentimes they have a reluctance to engaging in those lines of farm activities. They prefer to plow the soil, sow the grain, reap it and haul it to market, as being the least trouble, but when the financial reward is not satisfying, they begin to ask themselves, and they also ask the editor of their favorite farm paper, the question at the head of this article.

Before attempting to answer the question, we want to say that the growing of live stock for meat or for the production of milk and butter should now be encouraged. The prevailing prices for meat, butter and milk, are very high and unless there is a greater production of these farm crops, or a voluntary diminition in the consumption, we predict prices will go even higher. Then will come the prohibitive stage; that is, so much less of these commodities will be consumed, that prices will tumble, and we may expect when the price of meat tumbles, perhaps because the people refuse to buy it and consume it, that it will drag down with it the price of grain, hay and all the raw materials that enters into its production.

But the question: can farms be kept fertile without producing live stock?

An exclusive grain, hay, or cotton farm is robbed of practically all of the raw material or plant food that was required to produce the crop. This continued year after year is exactly like always drawing money from the bank and never making any new deposits—the end is bound to be reached if such a one-sided system is continued. However, we believe that it is possible to maintain the fertility of a grain farm without live stock. To do this, it will be absolutely necessary to take part of the money received from the crops sold, and buy plant food in the form of commercial fertilizers and thus return the plant food to the soil. But this will not be enough. There may be an abundance of the chief elements to produce grain crops, in the soil, and still not be available. To be available, there must be humus. To secure the humus, there must be grown on such farms an abundance of clover, peas or similar crops, to be turned under; or manure must be purchased from stock farms and turned into the soil.

If the prices realized from the sale of grain or cotton are sufficient to buy commercial fertilizers, and if the farmer is in a position to do so and is willing to withhold enough of his land from grain crops to raise the crops that will produce humus, we see no reason why such farms may not be maintained at a high degree of fertility.

It will be seen that there are several features entering into this problem and that it will be necessary for the farmer to figure out and decide for himself. We will say, however, that the best and most practical way, and we believe the most profitable way, and also the way that meets the needs of present-day demand best will be to raise live stock.

SHORTAGE OF DAIRY COWS.

An exchange says the man who is going to keep dairy cows of the best kind, pure bred animals, can make more money by growing dairy stock for sale than by keeping the dual purpose cow and selling the calves for beef. The present demand for good dairy stock is the greatest that it has been in the history of the business. Beef cows can be purchased anywhere, but dairy cows must be hunted for, and they are hard to find.

MOVING PICTURES







OF THE WONDERFUL WORLD CHAMPION

DAN PATCH 1:55

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It is a **New Invention** that you can carry in your pocket and show your friends instantly, day or night, either once or a hundred times and without a machine, curtain or light. It is the first successful moving picture ever taken of a World Champion Horse in his wonderful burst of speed. A marvelous race sensation.

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2400 MOVING RACE PICTURES OF DAN PATCH 1:55

and every picture shows the King of all Horse Creation as plainly as if you stood on the track and actually saw Dan Patch 1:55 in one of his thrilling speed exhibitions for a full mile. 2400 distinct moving pictures taken of Dan in one minute and fifty-five seconds means twenty-one pictures taken every second all of the way around the entire mile track from the back seat of a high power automobile. You can see Dan shake his head to let his driver know that he is ready for a supreme effort and then you can watch every movement of his legs as he flies through the air with his tremendous stride of 29 feet. You can see his thrilling finish as he strains every nerve to reach the wire, you can see his driver dismount and look at his watch while thousands of people crowd around, you can see his caretaker force his way through the crowd and throw a beautiful woolen blanket over Dan to prevent his catching cold and then you can follow him up the track before the madly cheering multitudes. As a study of horse motion it is better than the actual speed mile because you can see Dan right before you for every foot of the entire mile. When first shown to the public this marvelous picture caused people to stand up all over the theatre calling "Come on Dan"—"Come on Dan."

This remarkable moving picture is the most realistic and the most thrilling ever presented to the public. My Free Offer Subject To Withdrawal Without Further Notice.

I have taken a part of the original 2400 wonderful and sensational pictures and made them into a **Newly Invented Moving Picture** that you can carry in your pocket and show to your friends at any time, day or night. It does not need a machine, it does not need a curtain and it does not need a light. It is all ready to show instantly either once or a hundred times and Creates A Sensation Wherever Shown.

THIS MOVING PICTURE WILL BE MAILED TO YOU ABSOLUTELY FREE, WITH POSTAGE PREPAID, IF YOU ARE A FARMER, STOCKMAN OR POULTRY RAISER AND CORRECTLY ANSWER THE THREE QUESTIONS.

If You Are A Farmer, Stockman Or Poultry Raiser I Require A Correct Answer To These Three Questions. ——➤ You Must Answer These Questions.

1st. In what paper did you see my Moving Picture Offer? **2nd.** How many head Each of Horses, Cattle, Sheep, Hogs and Poultry do you own? **3rd.** How many acres of land do you own or how many acres of land do you rent?

☞ **I Personally Guarantee To You One Of These Wonderful Moving Pictures Free If You Are A Stockowner And Answer These Questions And Write Me Today. Signed--M. W. SAVAGE.**

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Packing, etc., In Silver or Stamps and I will mail you this Wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world has ever seen.—If you send me Twenty-five Cents in Silver or Stamps--**EVEN** if you do not own any stock or land, I will mail it to you postage prepaid. Reproduction cost me thousands of dollars.

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Largest Stock Food Factory in the World. Capital Paid in $5,000,000

INTERNATIONAL STOCK FOOD CO.,
M. W. SAVAGE, Proprietor **MINNEAPOLIS, MINN.**

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WHEN a man can buy a Whipple Humane Horse Collar, that will cure his sore horses while working, or keep his horses well, it is a crime to torture horses with collars that will make them sore. And it's bad policy from a money-in-your-pocket point of view.

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Send me your FREE BOOK. "Horse Collar Sense," and Testimonials, Telling How I Can Protect or Cure My Horses from all Collar Troubles with the Whipple Humane Horse Collar. Also Tell Me the Price of One Set.

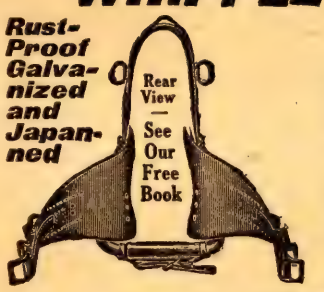
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Read what this authority says:

"Without question, the Whipple Humane Horse Collar is pre-eminently superior to any device that has as yet been discovered, whereby all classes of horses can be used with a certainty that sore necks—galled shoulders—collar bruises and shoulder stiffness will be prevented.

For years I have, as a practicing veterinarian, as well as for 19 years veterinary editor of leading live-stock and agricultural newspapers, made the study of the anatomical structure of the horse's shoulder and horse collars a special study. I do not hesitate to recommend it to all horse owners as a remedy to save the horse and save veterinary bills."—*C. D. Smead, Veterinary Editor of the National Stockman, also Veterinary Adviser for N. Y. Tribune Farmer.*

We have hundreds of testimonials from Experts, from Agricultural Colleges and satisfied users—see many in our free book.

The simple facts are just these: 1.—The pulling surface on these collars is properly distributed. 2.—Your horses pull the heaviest load easiest with these collars because there are 45 square inches of pulling surface on each shoulder as compared with only 10 square inches on old-style hame collars. 3.—The burden of pulling comes above the lower shoulder joint, giving the horse a chance to step without bruising the joint, where most bruises come. 4.—There is no pressure on the thin skin and flesh over the shoulder-blade where so much trouble is caused with old-style collars. 5.—No pressure at all on top of the neck or on the windpipe or breast to shut off the horse's breathing.

Every set comes complete ready to use—less trouble to put on and take off, and fits any horse perfectly all the time by simple adjustment. Built to last for years by expert workmen, and of durable materials. Write on coupon above or postal, today, for Free Book and testimonials. Address our nearest factory as below:

HUMANE HORSE COLLAR COMPANY
1998 South 13th Street, Omaha, Nebraska **1649 Lowe Street, Chicago Heights, Illinois**

ELECTRIC Handy Wagons, Steel Wheels.

Save your strength a thousand times with the low lift. Easier on the horses; easier on you. Wagon for all work. No shrinking, no breakdowns or repairs. All widths of tire. 20 to 60 inch wheels. Send for free catalog of up-to-date farm wagons to

ELECTRIC WHEEL COMPANY, Box 54, QUINCY, ILL.



REQUEST ADVERTISERS WANT TO Know in what Paper seen. Therefore We TO their Advertisement was Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers. READERS.

80c for 20 Names

Send me 20 cents and names and post-offices of 20 farmers and I'll send you for two years the Illinois Farmer, big semi-monthly, (big Woman's Fashions and Children's Depts.) Regular sub. price 50 cents a year. John M. Stahl, Pub. 1 J. P. Sta., Chicago.

REQUEST ADVERTISERS WANT TO Know in what Paper seen. Therefore We TO their Advertisement was Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers. READERS.

OUR ADVERTISERS

The small classified advertisements in the Business Exchange have a value for those who take advantage of the department, out of all proportion to their size. These "liners" are small and inexpensive. Yet thousands of readers of UP-TO-DATE FARMING look here to supply various wants.—A farm for sale.—Improved live stock wanted.—A dozen heads or more in the Business Exchange.



THE 1910
DE LAVAL
CREAM
SEPARATOR

In keeping with the established De Laval custom of making the De Laval Cream Separators as much better each year as possible, the De Laval machines for 1910 show even greater perfection than they have in the past.

The dairy farmer who buys a 1910 De Laval can feel assured that he has by far the best cream separator ever made anywhere at any time.

The dairy farmer who lets the year or even the month pass by without at least seeing and examining the 1910 De Laval will be doing himself an injustice.

The opportunity of examining and trying a 1910 De Laval right at his own home is open, free of all cost or trouble, to every dairyman who will simply say the word.

Next to a De Laval machine is the De Laval catalogue, free for the asking and containing a separator education in itself.

The De Laval Separator Co.

165-167 BROADWAY NEW YORK
42 E. MADISON ST. CHICAGO
DRUMM & SACRAMENTO STS. SAN FRANCISCO
173-177 WILLIAM ST. MONTREAL
14 & 16 PRINCESS ST. WINNIPEG
1016 WESTERN AVE. SEATTLE

KENDALL'S SPAVIN CURE

NEVER KNOWN TO FAIL

Nooseneck Hill, R. I., May 4th, 1909.
Gentlemen: I keep a number of horses and have used your Spavin Cure for the last eight years. *I have never known it to fail in whatever way used.* T. W. Babcock.

For Spavin, Ringbone, Curb, Splint, Sprains, Swollen Joints, All Lameness

—Proved by 40 years of use by hundreds of thousands, the best that the medical world affords. The standby for family use also. $1 a bottle, 6 for $5. Buy at drug stores and get free book, "A Treatise on the Horse," or write to—

DR. B. J. KENDALL CO.
Enosburg Falls, Vt.

Farmers' Sons Wanted with knowledge of farm stock and fair education to work in an office; $60 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. 12, London, Canada.

ANGORA GOATS. Full blood from the original importation from Turkey. Pairs and trios for sale. J. A. MOBERLY, Windsor, Ills.



DEAN EAR CORN CUTTER.

In 1, 2 and 4 hole size; Slices corn from ½ to 2 in.; does it rapidly; just the machine to prepare corn for calves, stock or fat cattle; no waste, they eat it all. Cutter returned at our expense if not satisfactory. Circulars free; write today.

Enterprise Wind Mill Co., Dept. 13 Sandwich, Ill.

VARIOUS FEED VALUES.

The following table of feed analyses is interesting:

Kind of feed	Water	Protein	Fat
Soy Beans	8.00	35.54	19.78
Cotton Seed	9.92	19.38	19.45
Cotton-seed Meal	7.00	42.90	17.30
Peanuts	7.59	27.90	39.60
Cow Peas	14.80	20.80	1.40

	Nitrogen Free Extract	Fiber	Ash
Soy Beans	26.30	4.53	5.85
Cotton Seed	22.57	22.57	4.74
Cotton-seed Meal	18.60	7.40	6.80
Peanuts	15.60	7.00	2.40
Cow Peas	55.70	4.10	3.20

As is seen in the table, cow peas contain much more water than Soy beans, but Soy beans contain a little more fiber and nearly twice as much ash. The cow peas exceed the Soy beans in nitrogen, but the Soy beans are much richer than the peas in protein and fat. Peanuts exceed both of these in fat, and they exceed cow peas in protein. Soy beans make good feed for growing animals without corn, as does cotton-seed also.

THE MULE ON THE FARM.

The following is given as some good points in favor of the mule on the farm:

He is the most tireless worker on the farm.

He eats less than a horse, but does more work.

He never falls though a hole in a bridge, and generally keeps out of danger.

He is an excellent saddle animal if you know how to saddle him.

His feet stand hard roads better than those of a horse.

He is always as good as cash in the bank.

LOOK AROUND.

An exchange asks how many farmers last year purchased expensive plows and other implements, and are now allowing them to rust and rot in the fields? We do not believe so very many readers of Up-To-Date Farming are doing that.

SOWS AND COWS.

Cows are scarce and high in price, as scarce and as high in the ordinary farming districts as we ever knew them; and yet a point has been reached we never expected to see—a good brood sow is as hard to buy and costs about as much as a cow. These are abnormal hog values; there is no doubt about that; but are they sporadic or spasmodic? There is no indication that they are. Foodstuff is high, and it will stay so. "The increased cost of living" is talked about a great deal, and there are all sorts of propositions for the official investigation of it. But the farmer may look on without a fear. If the subject is ever investigated, and investigated fairly, it will be found that the farmer is not to blame; that the prices he receives are not inordinate; but that the "high" price comes in after the farmer has sold, and that it is put on by greed that now lurks unchecked between the producer and the consumer. The farmer may still depend upon profitable prices, because there are going to be no fewer months to feed, and there will be more equity in furnishing the supply.

We, therefore, advise the saving of brood sows, even at the price, and the building up of the depleted supply of hogs. The same remarks apply nearly as well to sheep and cattle, but it is certainly true that the greatest deficit is in hogs.

CORN AS FEED.

Especially in the corn belt, that article is the principal reliance for feed, whether for fattening purposes or for growth or general maintenance. As we have elsewhere shown, corn alone is neither the best fed nor the cheapest. It should always be supplemented or reinforced with feed containing more protein, or flesh-forming material.

Any information concerning corn as a feed is worth while. Many believe some kinds of corn make richer feed than other kinds, but tests do not prove that to be so. Corn equally mature, sound and properly taken care of, is equally valuable as feed, or is approximately so. This applies to white and yellow corn also. Many can scarcely be convinced that yellow corn is not richer than white corn, but tests do not prove it is.

Dry, well-cured corn is richer per pound than new corn, because so much water has evaporated from the dry corn, leaving its feed elements more concentrated.

Sweet corn, however, has a higher feeding value than the other varieties—it is richer both in fat and protein—but the smallness of the ear and the lighter yields make it less desirable as a field crop. However, to be fed stalk and all, when the ears are in or past the roasting ear stage, it is very valuable.

BUYING FARM IMPLEMENTS DIRECT

The reputable manufacturer must guarantee satisfactory service in an implement, and there is no room for shifting responsibility when the article is transferred direct from the maker to the user. A material saving in the price paid is accomplished, as but one profit is added to the manufacturing cost.

The American Plow Co., sell, direct only, their entire line of Sulky, Gang, and Walking Plows, Disc Harrows, and Cultivators, at freight-prepaid prices. Their large implement book gives full descriptions of their line, and quotes prices delivered to the farmer's nearest station.

This company also makes an offer whereby a Harrowing Attachment can be secured without cost by farmers purchasing American implements. Farmers in the market for any implement in the line made by the American Plow Co., will surely act wisely in getting their implement book and Free Attachment proposition before purchasingg. Write to American Plow Co., 2329 Fair Oaks Ave., Madison, Wis.

Michigan lands are increasing in value rapidly. Some of the finest fruit land in the country is in this state. And right now it can be bought cheaper than nearly any other. Also it can be bought on such easy terms that it is no burden at all to secure a home in this section. Write today to S. S. Thorpe, Room 2, McMillen Bldg., Cadillac Mich. He has an interesting offer to make.

It has been regarded absolutely impossible to make and sell a cream separator for very much less than $100. This idea, however, has been ruthlessly demolished by the American Separator Co., offering a complete, up to date, well made cream separator for $15.95, guaranteed to skim equal to any separator made, no matter how much more it costs. These machines are shipped on a good liberal trial and freight charges paid both ways if you do not find it ahead of any other separator. It is easy to operate. It skims one quart a minute, and is just the thing for a small dairy, or private family. Everyone interested at all in cows should write the American Separator Co., Box 1149, Bainbridge, N. Y., for their $15.95 proposition.

You Can Try My Horse Collars For a Year—And I'll Pay the Freight



THAT'S because I know my collar is the only one made that you'll grow to like better every day. Saves money, time and bother for owner; saves the horse galled shoulders and keeps him up to snuff **every day.** No harness, sweat pads or straps to **buy** and bother with. If my collar galls when properly fitted or does not cure old sores—send it back and get your money. My full year's trial gives you ample time to decide.

Indestructible Hameless Horse Collars

are indestructible. One lasts a lifetime. Made of highly polished galvanized steel, light in weight. Adjustable in length and width; draft adjustable up or down. The **only** collar of 20th Century pattern. Used and endorsed by highest authorities and thousands of practical horsemen. Just send me your name and address on a postal. I'll send facts and figures on horse collars that will prove mighty interesting. I sell direct where I have no dealers. Address Fred Slocum, Gen. Mgr.



Fred Slocum
The Horse-Collar Man

JOHNSTON-SLOCUM CO., 502 State St., CARO, MICH.

Holds World's Record

FOR CLEANEST SKIMMING

More prominent, practical dairymen and breeders **use** and **endorse** U. S. Separators than **all** other makes.

These many long-headed, business dairymen use U. S. Separators, not because some blazing advertisement has hypnotized them into buying, because it's "cheap." **Sound reasoning** of its **many superior advantages** *only* persuaded them. The *best* will always have the *best.*



THE 1910 INTERLOCKING STYLE
U.S. CREAM SEPARATOR

Is emphatically the Best and the only Separator to Buy.

Because,

1st. It skims the **cleanest.**
2nd. It's built the **strongest.**
3rd. It's the **easiest cleaned.**
4th. It's the most **convenient.**
5th. It requires the **least power.**

The U. S. defeated all other separators at the Alaska-Yukon-Pacific Exposition, Seattle, on these five essential points and

Won Grand Prize 1909

Beautiful Illustrated Catalogue No. 187 will give you all information.

VERMONT FARM MACHINE CO., Bellows Falls, Vt.

THE HORSE AND HIS WINTER COAT

Man has changed the channel of nature very materially in many ways, and his inventive genius has helped nature out of many difficulties those changes have placed her in.

Take the case of domestic animals. Their lives are almost altogether different from the lives nature provided for them. The horse, for instance, must have his natural winter coat to [illegible] him from the inclemency of that rigorous season. It is not enough that he have an abundance of feed from the provident hand of a liberal master, and that he have comfortable housing. He must still suffer the changes of the weather, and he must have a winter coat.

But when spring comes, and the call to service is heard in the fields, a thing nature never provided for, the winter coat is too much. The season of comparative rest has softened the muscles of the horse. He cannot stand the work like he will be able to do even in hotter weather when he becomes inured to it. His great winter coat is now too much for him, and he sweats, becomes unreasonably dirty, gets sluggish and inactive, loses stamina and ambition, and is not the horse he would be were it not for that winter coat.

The practice of clipping horses to remove the winter coat in advance of shedding time, is now quite general, and the verdict is that it is attended with good results. The process is a very simple one. An easily manipulated implement has been invented for the purpose, and those who have used it pronounce it an admirable arrangement. It saves the horse from sleeping in a wet, sweaty coat, makes him feel better at work, gives him a much better appearance, and corrects one of the artificial conditions that nature did not provide for in time.

CORN FODDER AS CATTLE FEED

There is not much in corn fodder that is fattening, but if cattle have enough of it, it serves a good purpose as "roughness." To keep young cattle growing; however, and old ones thriving, the fodder should be supplemented with some grain.

A favorite way in the corn belt of Illinois, where no small number of cattle are fatted during the early winter months, is to feed the fodder corn and all. This is considered a pretty well balanced ration for fattening animals, and fodder is sometimes so fed that would husk out fifty or sixty bushels to the acre. But for stock that is only to be wintered, it is best to husk the corn out, and feed the fodder and grain separately.

One of the best modern ways is to have the fodder shredded. The machine husks the corn and piles the ears to themselves, while it tears the fodder to pieces, makes it in better condition for feeding, and makes almost the whole of it available.

CORN

S. H. CARNAHAN. Cabanas. Cuba.

Of American growth, or born
We find chief—potatoes and corn.

—o—

The birds of both eve and morn
Pick the bugs and worms off the corn.

—o—

Don't forget the ram's horn
Is made better by corn.

—o—

Tropics of Cancer and Capricorn
Mark the belts north and south for corn.

—o—

Both the maid forlorn and the cow, with crinkled horn,

Which she milked, must have lacked plenty of corn.

We are just in receipt of Darling & Beahan's catalog of Northern Grown Field and Garden Seeds. It is especially interesting, containing many articles on the culture of plants. D. & B.'s Northern Grown Seeds have a most enviable reputation, and every farmer shoud get a copy. It's free. Write to Darling & Beahan, 341 Michigan St., Petoskey, Mich.

SHORT HORN MILKERS.

Word comes from Vermont that a strain of Shorthorns has been produced in that State that yield 10,000 pounds of milk and make 500 pounds of butter per year. These cows weigh, it is said, from 1,200 to 2,000 pounds, and it is declared that it takes less feed to keep them. They are as good for the feed lot as for the dairy It will be noted that the story is credited to Vermont, but we are about ready to accept any tale of development and improvement.

PAGE FENCE SALES BOOM

The Page Woven Wire Fence Co., is doing a great business. The new plan of sending out actual samples showing Page wire and the Page construction, has attracted widespread interest.

The Jubilee Edition of the Page Fence Catalog, which is now being mailed, gives much information of value to the prospective purchaser of wire fence. Copies may be obtained free, together with a free sample of Page Wire, by addressing The Page Woven Wire Fence Co., Box 249, Adrian, Mich.

All the Grand Prizes and Gold Medals given to pumps at the A-Y-P Exposition at Seattle were awarded to American Pumping Machinery manufactured by the noted firm, the American Well Works of Aurora, Ill. The whole country have been long familiar with the steady progress of this corporation in improvements in pumping machinery and well supplies. The manufacturers are to be congratulated on their great success. Our readers interested in the pumping problem should write for their late Pump Catalog, No. 104, which is extensively illustrated and a mine of information on the subject of handling liquids of every variety. The company has numerous branches in different parts of the country from which it can furnish supplies on short notice, not only for wells, but for irrigation and mineral prospecting.

A Self-Balancing Bowl Cream Separator Guaranteed for 15 Years

Fifteen-year guarantee! Yes, an actual 15-year guarantee on the Sheffield Cream Separator. A genuine, legal, hard and fast, absolutely binding guarantee for the full legal term of fifteen years of actual, everyday service and use on your farm or in your dairy. Think of it. This is the most sensational guarantee ever made on any cream separator. It is the only cream separator on which there is a fifteen-year guarantee—it is the **only** cream separator on which a fifteen-year guarantee **can** be given.

This 15-year guarantee is made possible by the Severin C. Anker-Holth self-balancing bowl, which practically eliminates wear and tear. It is a perfect self-balance, because it balances automatically. There is no possible opportunity for it to get out of balance. The Sheffield is the only self-balancing cream separator made in America. The others are balanced with lead or solder. For proof of this look inside bowl and **see. We guarantee the Sheffield for fifteen years—it will last a lifetime.** The reason why we can afford to bind ourselves to you in this unparalleled guarantee is because the Sheffield Cream Separator is made with the most astounding mechanical accuracy. We know there can be no defects in material or workmanship.

Caution—the few splotches of lead dropped inside the bowls of other manufacturers to make the bowl balance may work for a little while—for a year perhaps—but such a separator cannot be truthfully guaranteed for even six months. No one can tell when these splotches of lead may fly off.

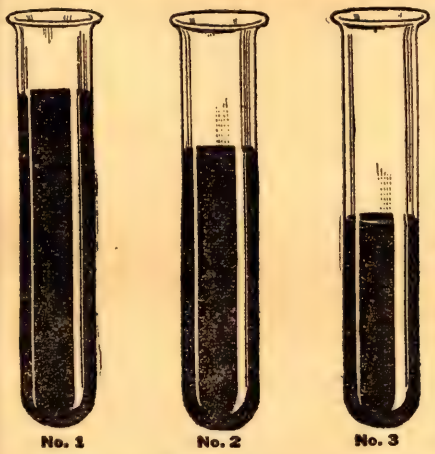


The Famous Anker-Holth Patent

The Only Self-Balancing Bowl Cream Separator Manufactured in America

30 Days Free Trial

YOU PAY NOTHING DOWN--No Notes--No Mortgage--No C. O. D.



We give you here **positive proof** of the superiority of the Sheffield Cream Separator over two other cream separators of acknowledged high grade. There can be no more clinching proof than this—the proof no other separator manufacturer would dare let you make if a Sheffield were around. We show you here three test tubes, all of the very same size. Three portions of milk, each portion the very same in quantity, were taken from the same cows. One portion of this milk was run through the Sheffield Cream Separator and the other two quantities were run through the other two well-known cream separators referred to. Figure No. 1 illustrates the amount of cream extracted by the Sheffield. You can see for yourself that it is at least 25 per cent more than that extracted by the separator whose product in cream is shown in figure No. 2. This separator cost $35.00 more than the Sheffield, and yet you see that only three-fourths as much cream was extracted from the same amount of milk. This test was made not only once, but over and over again until there was absolutely no doubt in the minds of the judges of the superiority of the Sheffield.

In Figure No. 3 we show you the amount of cream extracted by a separator well-known to the trade, and looked upon as a "good" machine. This separator costs 20 per cent less than the Sheffield, but it extracted **50 per cent less cream.** No proof could be more positive—more **SURE** than this. Nothing could be more convincing. The Sheffield is the peer of all cream separators, a..d we are willing to **PROVE** this by sending the Sheffield to you without **ALLOWING** you to pay any money for it. We want to give you the proof in reality—the proof before your very eyes—that we show you here on this page. Sign the coupon and get the free book **"Profitable Dairying."** This book regularly sells for 25 cents. But we offer it **FREE.** And besides we send our free catalog telling all about the Sheffield machine and all about the great Free Trial, No Money Down, Easy Payment Offer. Send the coupon today.

Don't Pay Us a Cent until you have tried the Sheffield Cream Separator—until you have given it a full, complete, prolonged examination, trial and actual continued working test—in your own way—on your own farm.

Your simple word that you would like to see this cream separator on your farm, in your dairy or wherever you want to use a cream separator, brings it to you instantly. **We send the Sheffield Cream Separator to you on FREE trial.** If it does not sell itself to you by its excellent and superior work in every way, send it right back to us at our expense, and no questions asked. Test the Sheffield Cream Separator in every way, watch your profits go up, watch the increase in the amount of your cream. Then if you do not believe you want a cream separator, just send it back at our expense. If, however, you decide to keep this genuine self-balancing bowl Sheffield—the unrivaled separator—the separator that gives you greater profits and less work and care than any other—that makes every cow you have give 100% greater value, and insures you greater profits than you ever made on cream before, we will allow you to keep it on extremely easy **MONTHLY PAYMENTS!**

These payments are so small you will hardly notice them. You pay out of your increased profits on cream. The separator always more than pays for itself.

Valuable Book "Profitable Dairying" Sent FREE

Send Free Coupon NOW



Clip out coupon or write a letter or postal. Send today—your name and address brings the free book. Place your name on the coupon, cut it out and mail it at once. Then we will send you our great free book, **"Profitable Dairying,"** telling you everything about cows and how to make them twice as valuable as they are now. This book is written by two of the best known dairy scientists in the country.

We Will Also Send You Our FREE Catalogue--

describing fully the great Sheffield Cream Separator and telling all about our liberal terms. Remember—no money down, free trial and easy payments—and we let the separator tell its own story. Our catalogue tells all about our offer. Don't delay. **Sign the coupon right now.**

SHEFFIELD SEPARATOR CO.
19th and Marshall Blvd. **Chicago**
Dept. 3652

SEND THIS COUPON OR A LETTER OR POSTAL

SHEFFIELD SEPARATOR CO.—19th and Marshall Blvd., Dept 3652, CHICAGO
Without obligations on me, please send me free, prepaid, your FREE BOOK, "Profitable Dairying," and your free catalogue in explanation of your free trial, no-money-down and easy-monthly-payment offer on Sheffield Cream Separators guaranteed for 15 years.

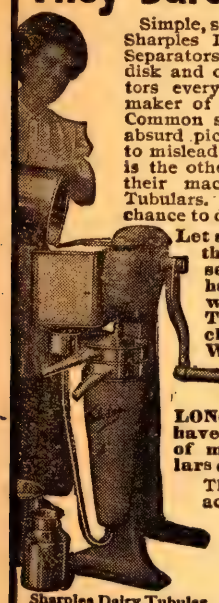
Name.....

Address.....

No letter necessary; just sign & mail this coupon today.

10 to 1

They Dare Not Do It



Sharples Dairy Tubular
The World's Best

Simple, sanitary, easy to clean, Sharples Dairy Tubular Cream Separators probably replace more disk and other common separators every year than any one maker of such machines sells. Common separator makers use absurd pictures and statements to mislead you into believing it is the other way around—that their machines are replacing Tubulars. We offer them this chance to dispute the facts:

Let any one of them print the names and addresses of all persons who have—for any reason whatever—exchanged Tubulars for his machine during 1909. We guarantee to print a list AT LEAST TEN TIMES AS LONG of those who have discarded his class of machines for Tubulars during 1909.

These makers dare not accept this offer. The facts would end their business. This should decide you to get the Tubular—The World's Best—and no other. Sales exceed most, if not all, others combined.



Write for Catalog No. 136

THE SHARPLES SEPARATOR CO.
WEST CHESTER, PA.
Chicago, Ill., San Francisco, Cal., Portland, Ore.
Toronto, Can., Winnipeg, Can.

HOLSTEIN Bulls, Cows and Calves. Write wants, United Breeders Ass'n, Wyalusing, Pa.

Veterinary Taught by Mail
Our course given at home. Diploma issued on graduation. Small expense. Endorsed by the National Association of Live Stock Breeders and Exhibitors. ☞ Booklet sent FREE.
AMERICAN INSTITUTE VETERINARY SCIENCE, D8, CHICAGO

Only $33.50 AND UP Galloway



"BATH IN OIL"
High Grade Separator—Direct
Save $25 to $50 direct at my factory price—freight prepaid. Get the only Separator that runs in "Bath of Oil," like a $5,000 automobile. This alone is worth $50 extra, but costs you nothing extra. Take
90 Days' Farm Test—Freight Prepaid
Why pay $85 to $110 to dealers or agents who cannot sell you a separator equal to the Galloway—closest skimmer—easiest run—easiest cleaned—10-yr. guarantee. Send for **BOOK FREE**
WM. GALLOWAY CO.
503 Galloway Sta., Waterloo, Ia.

Easy Money For You



You can easily earn $5 to $10 a day taking orders for our Stylish, Made-to-Measure clothes—many agents earn more. No money or experience necessary—we teach you the business & back you with our capital.
$5.00 TO $10.00 A DAY.
SUITS $9.00 up PANTS $2.50 up
EXPRESS PREPAID
Every garment made to measure in latest city style—fit and workmanship guaranteed. One Hustling Agent wanted in every town. Exclusive territory. Write for agent's outfit **FREE**
THE PROGRESS TAILORING CO.
187 Harrison Street, - Chicago



$35.00 A Week Profit
MADE BY SELLING
Patented Kerosene Mantel Burners
When attached to any oil lamp produces Six Times Brighter Light than electricity, gas or ordinary oil lamp. Uses half quantity kerosene. One Pint Burns Six Hours. Mantle Outlasts All Others. Light Is Brightest, Steadiest, Cheapest and Easiest on Eyes.
Get one for your home or Act As Our Agent. Rapid Sellers. Big Money Saver for User. Money Maker For You. Exclusive Territory.
F. P. GOTTSCALK, 97 Chambers St., New York

GREAT MONEY MAKER FOR AGENTS



Sell Magnetic Combs and get rich; agents wild with success. They remove dandruff; stop falling hair; RELIEVE HEADACHE, never break. Send 2c stamp for sample. **PROF. LONG 809 Ash St., PEKIN, ILL.**

MEN WANTED QUICKLY By big Chicago mail order house to distribute catalogues, advertise, $21 weekly; liberal expense allowance. **MANAGER, 1218 State Street, Chicago.**

REQUEST *ADVERTISERS WANT TO Know in what Paper they Advertisement was seen. Therefore We Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers.* **TO READERS.**

THE DIFFERENCE IN SHEEP

With many farmers a sheep is considered a sheep and they do not think much farther. Such breeders think it strange that their leggy, light quartered and paunchy lambs do not clear them as much money as possibly some of their neighbors get, or bring the highest market prices that they see quoted. It is just as unreasonable to think that all sheep are alike, as to think that all cattle, all hogs or all horses are alike. The markets generally have an oversupply of the poor stuff, while buyers are eager to get hold of the better grades, whether of sheep or of any other farm product.

More mutton is being consumed each year and the breeders should cater to what the public wants and are willing to pay the best prices for. The demand for good sheep has not been met in the last few years, while often times the common stock have been in the market beyond the actual demand.

A good sheep is uniform in conformation and cuts out a high percentage of high priced cuts, or in words, that our readers will be sure to understand, we will say that it has a light paunch and an abundance of flesh over back and ribs and hind-quarters. To raise this kind of sheep, purchase a broader, deeper and heavier fleshed ram than you have used before. This ram will cost you more than one of your common sheep will sell for, but a good ram with a common flock of ewes, will mean an increase of fifty cents to one dollar and fifty cents per lamb over what has been received before, all other things being equal. With sheep, like with all other farm crops, the "best" will secure the best price in the market and abundantly justify the extra care in breeding and feeding and marketing. With wool at very high prices, and mutton selling now the cheapest of any meat, also with the public being educated to use more mutton, and the further fact that it probably is the best and most healthy meat to be obtained on the market; these facts appear to make a combination that should encourage the sheep-raisers to excel their past performances.

QUARTERS FOR SHEEP

A few of the essentials of good housing of sheep are as follows:

The prime object is, of course, shelter to keep dry and warm. Sheep can stand a great deal of cold if they are dry, and not be subject to damp draughts of air. To keep them dry, of course, means that there must be a good roof to their shelter. With a leaky roof, little can be accomplished and the quarters at the very best will be miserable, unhealthy and uneconomical, as far as feeding is concerned.

The sheep quarters should not be perfectly tight. They must have plenty of good, fresh air. Only at lambing-time is warmth really needed and then it should be provided. While sun-light is not absolutely necessary, where the sheep are kept in the quarters only a part of the time, it is a great help in many ways. Sunlight is the best germicide and disinfectant known. Admitting this, there need not be any further argument as to the importance of sunlight if it is possible to have it.

Also, proper bedding is very important. An authority states that ninety per cent. of sheep troubles through the winter and at lambing time, are the result of feeding improper food and improper bedding, to which sometimes is added a lack of pure water. The sheep should not be fed on timothy hay and they should have perfectly dry bedding. The quarters should be cleaned often, so as to be kept in a fresh and sanitary condition.

Do not neglect this precaution! Sheep must not be crowded together. While this applies to any flock in general, it is emphatically applicable with the flock at lambing-time.

When providing the sheep's quarters, if at all possible, it should be arranged so that each ewe and new lamb be placed in a smaller pen, preferably one ewe in a pen, and kept there until the lambs are a few days old, when they may be placed in twos or threes. This should be followed until the lambs are big enough to turn out. The separate pens that they are transferred to must be "lamb tight." Eight by eight feet is a good size.

But the main thing is to keep the quarters dry overhead and underfoot.

CORN OR HOGS FOR MARKET.

Mr. J. Dwight Funk of Funk's Grove, Ill., we are told by Arthur J. Bill, keeps thirty brood sows, with the necessary males. The year's business is figured as follows: Thirty sows at $20 each, $600; interest at 6 per cent., $36. One hundred and seventy-four pigs were produced, nearly six to the litter. The pigs were fed 1,840 bushels of corn, which at 60 cents per bushel was worth $1,105. To this must be added other expense of $46; total, $1,150. The pigs sold for $3,062.40, which shows a gain of $1,912.40. The capital invested, the value of the sows and males, and the cost of their keep, are not deducted. The litter item should be, but the capital is presumed to be practically unimpaired. Neither is the care of the pigs taken into account, or the fact that a portion of the time they followed fed cattle. They also had pasturage that is not estimated. But there are profits, and our purpose is to show that the same discrimination and judgment that make men rich in other callings, ought to do the same on the farms.

If agriculture would only wake up and control itself, as other vocations do, it would be the best and most independent business on earth, and instead of farmers and their ambitious sons crowding into the towns and cities, to eke out, mostly, a precarious, everyday existence, the tide would turn back toward the farms.

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1027 W. Adams Street, Dept. 3652, Chicago, Ill.



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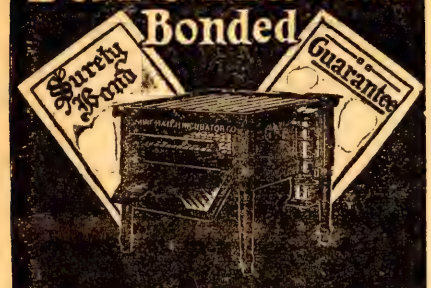
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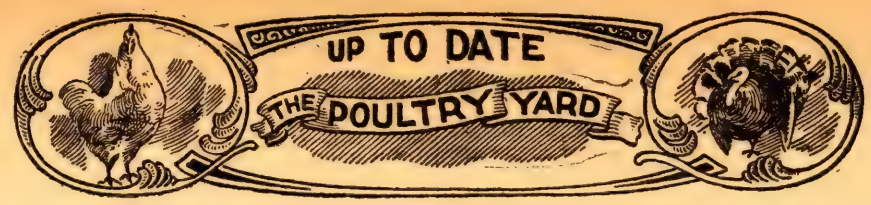
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THE HEN.

Our poets may sing of the eagle,
Proud theme of the prolific pen,
Whose figure bold adorns silver and gold,
For the grasping clutches of men.

But away with your gush and palaver!
Let us get down to facts, and then
We'll give you some tho'ts about Wyandottes,
Or some other kind of a hen.

She hasn't the brilliant plumage
Of the tropical birds of fame,
Nor the peacock proud with screech so loud,
But she gets there just the same.

She hasn't the notes of the mocking bird,
Nor the oriole's song in May,
But sweeter than all from spring 'til fall,
Is her cackle to me any day.

It tells of food healthful and wholesome,
Of angel cake, custards and pies,
And if worthy some men why not also the hen,
Of a mansion beyond the blue skies?

It tells of sure profit and income,
From her eggs with their yolks of gold,
And my Plymouth Rocks are far better than "stocks"

Or King Solomon's mines of old.
It is said from the sale of her products
We could cancel our national debts;
Then from every clime, in prose and in rhyme,
It's a fact that her son never sets.

FRANK F. FRELIGH.

POULTRY MORE THAN A SIDE LINE.

TOO many farmers look upon the poultry as a mere side line to farming, but it is entitled to rank as one of the leading departments of the business. The Kansas Experiment Station has issued a bulletin on marketing eggs that contains information which should be eagerly sought, not by poultry people only, but by farmers also.

Kansas is a great poultry State, though it ranks but fifth in the value of the product, Iowa, Illinois, Ohio and Missouri leading it; though in value per capita of population, Kansas claims the lead.

So far back as 1899, the census of 1900 showed the marketed egg product, not including the eggs set for hatching or otherwise used at home, to be 73,190,590 dozen. The average price then was little more than nine cents, yet this ten-year-ago product brought to the homes of the State $7,237,111.

From these and other figures, the Station estimates the Kansas marketed egg crop of 1909 at not less than 146,381,180 dozen, and since the average price last year was 16 cents per dozen, the eggs marketed in Kansas were worth to the State $23,420,988. And to get the real value to the State of this egg crop, at least 36,000,000 dozen must be added for the eggs used at home.

Admitting, as this Kansas bulletin does, that each of the four States of Iowa, Illinois, Ohio and Missouri, exceeds Kansas in egg production, and that many others come close to it, while all the States of the Union have an egg record, the great value and importance of that single product of the poultry yard is apparent without referring to national statistics.

And the price is constantly in the ascendant, and has been for some years, until it is now breaking all records. This shows that the demand, in spite of the increased production, is all the time growing faster than the supply; and not only so, but that the demand has the money to supply itself in spite of the high prices.

That conveys a lesson that farmers cannot misunderstand, and ought not to fail to heed. Pay more attention to the poultry. Surround them with conditions to enable them to do their best. See that their feed is as regular and unstinted, and as suitable to their requirements, as is the feed of the horses, cattle, sheep or hogs.

But do not take the poultry and its assets from the women folks. If their little-considered business has grown into unexpected proportions, it is their good fortune and not their fault. Give the fowls the treatment their value merits, but consider them still an asset of the household.

PROFITS BEFORE POINTS.

WE LIKE to breed from prize winners, and we like to be able to select prize winners from our yards. We are certain that if the Standard of Excellence were permitted to go out of print, and no further attendance be paid to points, there would be a rapid decline in poultry excellence.

But after all, the question with farmers is now and must continue to be, profits rather than points. It is all right to argue that points and profits go together, but that is not always the case. The hen that lays the most eggs is worth more to the farmer and his family than the one that scores the highest if she does not lay the eggs.

It is very rare that scrubs make a good egg record, and we make no plea for scrubs. The prettiest of all poultry yards is where a single variety of thoroughbreds is kept; uniform in size, color and formation; and if more than one variety is desired, have separate yards for each. But we would test the egg production rather than the score card points. No one knows his poultry, nor the value of his investment, until he knows what his hens can and do do. Cultivate the good layers even though the score card may suffer.

RANGE FOR CHICKS

One must be governed by his surroundings, but one of the essentials to healthy, vigorous, rapid growing chicks is plenty of range. This is something that incubator chickens often lack.

Of course the range must be suitable for the chicks. It must not be a mud hole, or must it be in high, wet grass or weeds. Neither must it be in cold winds and rains. But a dry plot, with warm sunshine and tender grass but little above the surface—chicks that can have the run of such a place, so enclosed that they cannot wander out of it, have the most favorable conditions for health and growth. A little lime sprinkled about such a run is a preventive of gaps and other chick ailments.

The City Man Says



eggs cost more each year. This is true, yet thousands and thousands of city folk keep poultry to produce the family supply. The raising of poultry and the production of eggs increases each year. The demand grows faster than the production. Result—

THE PRICE GOES UP

The poultry industry has greater possibilities than ever before and it's profitable on either small or large scale. Geo. H. Lee has been a poultry raiser for 25 years and invented appliances he couldn't buy. The same mechanical means that he perfected are used by successful poultrymen everywhere. Lee's "Chicken Talk" is a book written by him. Valuable. Free copy, and 1910 Incubator, Brooder and Poultry Supply Catalog mailed postpaid. Ask for it to-day.

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WHAT THERE IS IN POULTRY

WE do not wish, in these articles, to overdraw the subject, or exaggerate, in any particular the possibilities of this great industry, enough is being done in a legitimate way, every day, to prove that many are making a good living from poultry culture, while many others are accumulating wealth in the same way.

Those who have the finger on the pulse of financial conditions predict that the coming season will be the most profitable in poultry that we have ever enjoyed.

Prices are ruling high. There is a scarcity of breeding stock, owing largely to the high prices of feed, and the unfavorable season for rearing stock the last year; so it is a good time to enter the poultry field, or if already there, to expand.

Some one has said there are too many "systems" springing up. It is true "the woods are full of them" and the "Reubs" who bite at the bait they hold out, are not all in the country, either. The good old fashioned ways of rearing chicks still holds good, and there is some question whether Madam Biddie has been improved upon. Most of the so-called Poultry Secrets so widely advertised in the Poultry Journals prove to be bubbles.

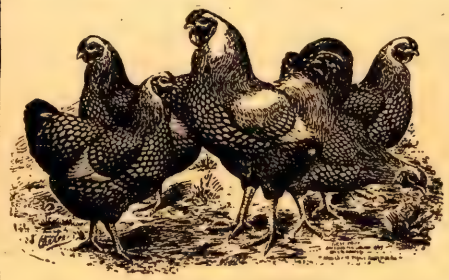
The word poultry, of course, includes all the domestic fowls, chickens, turkeys, ducks, geese, guineas, etc. We shall treat in this article more particularly of chickens.

It is not practicable, probably, that every farmer becomes a fancier, and breeds and sells fowls for breeding purposes, but we do certainly advocate the keeping, on every farm, or at least crossing the flock with full bloods.

Many farmers—of course this includes the wife—are not satisfied with the crossing with one breed, but seek to attain size, say, by the use of Brahma blood; or Cochin, and then for the sake of improving the egg yield, introduce Leghorn blood, or they commence with Plymouth Rock blood, and then mix in the Leghorn. This, to one notion, is wrong, for the product is nothing but a flock of mongrels. How much better to invest in some one of the many pure bred varieties, and keep to that variety, after having made up one's mind just what end was in view.

If eggs are the desired object, then a strictly egg-producing breed such as the Leghorns, Hamburgs or Minorcas will fill the bill.

If broilers are considered more profitable Plymouth Rocks, Orpingtons



SILVER LACED WYANDOTTES.

or Wyandottes are good, and are also general utility fowls, producing nearly if not quite as many eggs, with proper care, as the former mentioned fowls. Where one is near a good market both broilers and eggs should be aimed at.

It is the early bird that "catches the worm," and the big price so the early setters should be utilized and an incubator is a great aid for it will set just when you want it to and Old Biddie won't always do so.

At present prices one dozen eggs will buy a bushel of oats, lacking a few cents. One and a half dozen eggs will buy a bushel of corn, lacking four cents. Three dozen eggs will buy one bushel of wheat. Now which is easier to produce, one dozen eggs or one bushel of oats?

One and a half dozen eggs or a bushel of corn?

Three dozen eggs or a bushel of wheat?

Again, suppose you were to buy these grains to feed to produce these eggs. Five and one half dozen eggs will buy one bushel each of oats, wheat and corn. Sixty-six hens will, in one day, if all laying, buy enough grain to feed themselves at least two weeks.

Profits, however, could be further enlarged by adding a bulky element to it, such as cut clover or alfalfa. Also bran and shorts. The greatest profit from eggs is in the winter months, but it is only by judicious feeding that hens can be kept laying, when the thermometer waltzes around zero.

One of these ladies raises her colony of chicks every season, keeping the pullets to add to her winter laying flock and selling the extra cockerels to the huckster. Her flock is a mixed one, but she is gradually merging them into the Barred Rocks.

The other lady pins her faith to the Brown Leghorn, does not raise any chicks, but has a standing order with a local poultryman to supply her with chicks half grown.

We do not often use the personal pronoun, but will say here that the culls of our flock and the eggs sold out of season to the huckster and local poultryman, makes a neat addition to our "marketing money."

The next article will be on Ducks and Turkeys.

THE POULTRY YARD BEATS THE WHEAT FIELD.

WHEN a farmer takes off a load of hogs to market and returns with a hundred or several hundred dollars in cold cash, be begins to think that no animals are as profitable as hogs. When he threshes and sells his wheat crop and gets a big lump sum of money he is sure that there is lots of money in wheat and that it is one of the most valuable farm products. In like manner he is pleased with the sale of cattle, horses, sheep, or with the monthly creamery check.

But we are inclined to allow the big things thtat come only once or a few times of the year to hide the little things that come every day, 365 times a year. The poultry reports of last year show that the poultry products of the United States amounted to half a billion dollars, equal in value to all the wheat crop, more than the gold output, and exceeding the value of the nation's oat and potato crop combined. It is very likely, too, that the returns for this year will show an increase in the poultry products of our country.

Does poultry pay? The reports show that it does pay, or so many people would not be engaged in it. Furthermore, it almost goes without saying that more than three-fourths of the poultry products of the country are from absolutely waste feeds that could not possibly be used in any other way on the farm. Very few people who keep poultry feed them anything except when snow is on the ground, and many do not feed regularly at any time. They simply let the fowls get what they can around the barn, in the lots, and on the range. The 500,000,000 poultry crop of last year was mostly picked up in the stables and orchard in the shape of waste grain, specked and fallen fruit, and bugs and worms. This waste stuff gathered by the fowls was turned into the highest class food products, equaling to the bread of the nation, with some going to the export trade. It all came in a little at a time,

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What Governor Deneen, of Illinois, Says About It:



Governor Deneen, of Illinois, owns a section of land in Saskatchewan, Canada. He has said in an interview:

"As an American I am delighted to see the remarkable progress of Western Canada. Our people are flocking across the boundary in thousands, and I have not yet met one who admitted he had made a mistake. They are all doing well. There is scarcely a community in the Middle or Western States that has not a representative in Manitoba, Saskatchewan or Alberta."

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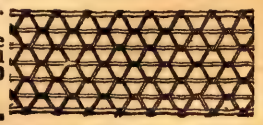
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a few eggs a day, to the farmer and village householder. If the total products of eggs and market birds were kept and sold in one quantity at the end of the year, as wheat or hogs, the sum received for them would be astonishing, and then the farmer would begin to realize the profit in the business. When a few eggs and birds are sold and eaten each week, the total yearly sum is not realized.

Like all lines of farming, the poultry industry is gradually enlarging and improving. The improved fowls of today are far superior to the barnyard scrubs kept a generation or two ago. Then eggs in the spring and summer were plentiful, and very few were to be had at any other season. Now hens are being bred to lay during all the year, and the yearly yield of eggs per hen has nearly been doubled. Also, eggs at all seasons now command a good price, while fifteen or twenty years ago you could scarcely give eggs away during the summer months. These things have contributed to make the egg basket on the farm highly profitable.

Our egg basket can be filled fuller by keeping better chickens and feeding and caring for them in better ways. No amount of feeding and care will prove satisfactory with scrubs. Since the largest profits from poultry come by havng eggs to sell in fall and winter, hens must be kept that will lay the greater part of the year, the pullets must be hatched early in the spring and matured so that they will begin laying before cold weather. There is no extra expense or labor required in doing this, and it more than doubles the profits from a hen.

New poultry methods and management are fast taking the place of old. As the products of the dairy cow are tested and weighed to find whether she is a profitable or an unprofitable animal, so is the hen banded and trapnested so that the number of eggs she lays can be accurately known. By this means selection of hens for eggs for hatching can be done with accuracy and effective results. Since "like begets like," the eggs of a hen that lays a large number yearly will hatch into birds that will be heavy layers. The poultryman who expects to continually fill the egg basket must practice careful and accurate selection for heavy laying fowls.

For hens to produce eggs in the fall and winter when eggs are high, expensive feeds must be used. The hens must be fed on nutritious feeds as regularly every day as dairy cows or hogs that are expected to grow and mature with a profit. To make money in the egg business on expensive feeds only heavy laying hens can be used. By keeping careful records of flocks and individuals, it has been shown, both experimentally and in general practice, that a good hen can be made to lay eggs and give a dollar net profit on her feed and care per year. In special cases hens have made a net profit in eggs of more than two dollars a year.

In the future handling of poultry for eggs, the only wise method will be to keep the best egg strains of chickens, continue to select and breed for better layers, and give feed and care to make the hens lay through all the season.—Journal of Agriculture.

SELECTION OF BREEDING STOCK

The selection of breeding stock, is a timely question now, and we find some splendid thoughts on this subject in an old magazine that lies before us. Good points in breeding stock are reproduced in the off-spring, and may even be improved upon by careful breeding, while bad points are almost invariably intensified or made worse. The poultry breeder should have a clear idea of what he wishes to accomplish, and he should keep that end in view in selection. Years of careful breeding may be upset by a single injudicious cross, and it is foolish to spoil a good strain for want of a little care in selection.

The sexes have a certain and well defined influence on the progeny. The male parent controls the external structure—shape, outward characteristics, and the carriage and general movements of the bird. The female parent controls the internal structure—the constitution, temper, fecundity and habits.

It is important, therefore, to see that the male has size, a well rounded and well proportioned frame, not merely fat and feathers. A fat bird is seldom a good breeder. A small bird will never breed large ones, and this is a most important point to consider.

The male should reach the full standard of its kind. This settled, look carefully for blemishes and defects; but it is generally true that a bird which is shapely, stands well up in its class, is of good size and appearance, may be safely taken as a good breeder.

Since the hen controls the internal structure and vital organs, it will be found that a good layer will produce good layers, a good mother will produce good mothers, and an easy fattener will produce good fowls for market and table use.

Never select a fowl of either sex that is in any way tainted with disease. Stamina, hardiness, health, are the most important things of all.

QUAILS VS. POULTRY.

Dec. 11, 1909.

Editor *Up-to-Date*:

For five years I have made my living raising poultry. It is constant hard work and many of my friends have failed. There are many disappointments, yet if we persevere and honestly try, we may succeed.



My attention was called a few years ago to the demand for partridge and quail, and the large price given for stocking game preserves and orchardists, to kill the coddling moth. I soon found the native quail, Bob White and the Hungarian partridge to be free from the many diseases that poultry is subject to. The Hungarian partridge is larger and very easy to raise. The feed, wheat screenings, weed seeds from the seed store's cleaning machines, is very cheap and just the food. To many of my sisters who are raising poultry, I can recommend these two game birds as money makers. They make good with very little care.

I advise to begin small as all must do to succeed with poultry. I had that to learn at much cost six years ago. I would advise the building of a fine wire netting pen say ten feet square, with a top of netting to stop their flying out. I also advise clipping their wings. A start can be made with half a dozen pair, and they require no expensive house like poultry. A few nail kegs or boxes makes a good shelter. Next spring as they commence to lay, gather the eggs, and hatch under gentle hens. Very soon you will be astonished at the demand you will have for them, and the great increase without any hard work. Just enough outdoor exercise for those not over strong.

I am a great lover of bird life and take much interest in out-door exercise. I obtained an appointment from the Governor as Dept. Game Warden to be able to protect my bird friends. I kill many hawks with my auto-loading shotgun, a Remington, and rabbits often fall before my aim. My husband, a noted hunter of Texas, taught me how to shoot several years ago.

Any advice I can give to my sisters who want to make a good income, or even make a little pin money, I will cheerfully give. I have no birds to sell, as I do not raise enough for home demand.—Mrs. B. R. Buffham, Rosswell, N. M.

Eggs are selling for 40c a dozen in large cities, and few farmers are getting less than 35c for their "hen fruit." These high prices place an added value on the laying hens. If your hens do not lay, better get busy, Lee's Egg Maker will work wonders. It is guaranteed to increase the yield of eggs. Write for a free copy of Lee's "Chicken Talk," telling all about it. Address Geo. H. Lee Co., 1121 Harvey St., Omaha, Neb.



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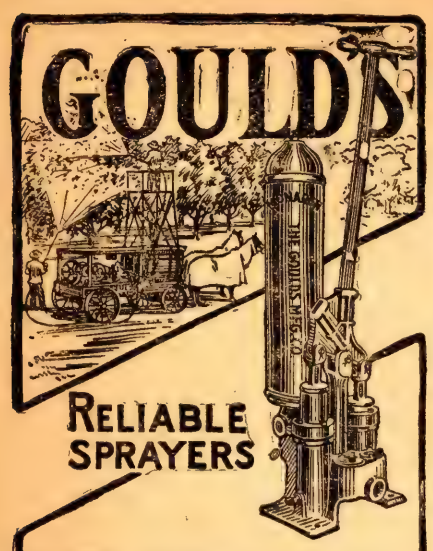
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Tell them you saw the ad in Up-to-Date Farming



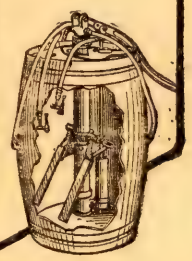
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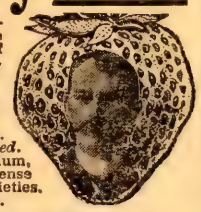
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The secrets of America's successful strawberry growers are all told in the new edition of **FARMER on the Strawberry** A real book, not a catalogue, by L. J. Farmer, who has worked 27 years among strawberries. "Worth its Weight in Gold," but costs only 25c. postpaid. *Your Money back if not satisfied.* Big Norwood Strawberry, Plum, Farmer Raspberry, etc. Immense stock of Berry plants—all varieties. Write for free Catalogue to-day.



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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

PUBLICATIONS RECEIVED

O. K. GARDEN BOOK. This annual list of seeds and plants by the old reliable O. K. Seed Store, has been entirely re-written, and brought up-to-date by one of the most prominent horticultural writers of the day. It is especially good in its descriptions, and cultural directions, and should be in the hands of every farmer and garden lover. FREE. *O. K. Seed Store, Indianapolis, Ind.*

SOUTHERN GROWN TREES AND PLANTS. This catalogue of trees and plants grown especially for the South will be of interest to our thousands of subscribers in the Southern States. This nursery is located on the battlefield of Missionary Ridge, one of the hottest fought of the Civil War. FREE. *The Chattanooga Nurseries, Chattanooga, Tenn.*

THE VEGETABLE GARDEN.

This is the time when the gardeners, male and female, are immersed in the question of seeds. It is the vital question to all those who grow for the home, as well as those who grow for market, which latter class is becoming larger from year to year, as the farmer is coming to realize that from his garden he can have something to sell to keep up his table and running expenses the year around. There are still many farmers who regard the garden as a necessary evil, by which they are kept from the necessity of buying food for their tables, but an increasingly large class have been converted to the fact that the garden will, if properly managed, give larger returns per acre than any other portion of the farm.

Good Seeds.

In order to get good results we must have good seed—seed that is not only pure as to name, but which has vitality as well, and which has been grown in a latitude which will insure the maturity of the crops where you are to grow them. It is a sure thing that garden peas, if grown in Florida, would not do well in the extreme Northern states, and this fact is taken into account by all first-class seedsmen, who have their crops of seeds grown in the latitudes where they do the best in order to fulfill average conditions of growth, in the gardens of their customers. You should consult the advertising columns of this paper for the names of reliable dealers, as such only are admitted to our columns. Lay out this month the whole garden scheme for the next year. What you will grow for home consumption. What your customers favor, and the quantities you can market at the highest prices, and look for some choice novelties to introduce to them. Keep their interest in your garden truck stimulated by giving them nothing but the best varieties of standard fruits and vegetables, and an occasional new one, which you have proved to be of value. Send in your order for seeds early. Keep a copy of it, and write on one side of the paper only. When received, check the packages against your copy, and if any discrepancies are found, write the seedsman, sending along a copy of the order, and a list of what you did receive, and what you were over and short. In such cases the seedsman will make a quick and satisfactory adjustment of the complaint.

Hotbeds.

They should be made, if not already done, and cold-frames gotten in order. If you have a market for hot-bed or cold-frame lettuce or radishes, sow them as soon as possible, using **Grand Rapids** lettuce, and **French Breakfast** radish, and keep them at a regular heat, with plenty of ventilation on bright sunny days. The soil for hot-beds should be as fine as sand. If it is heavy clayey loam, mix it with enough sifted hard-coal ashes to make it light and porous, using commercial fertilizer as given in the last issue. These crops need close watching that they be kept pricked out so they do not crowd, but kept growing from the first continuously.

THE FLOWER GARDEN.

The question of seeds and plants is just as vital to the flower garden as the vegetable. Whether you grow flowers for your own pleasure and the odornment of your home, or for sale, you should use none but the best seeds, if you expect the best results. Cheap seeds are the dearest of things in the end. Pay a good price, and demand the best, true to name, and of assured vitality.

The coming season is going to be a hard one for the Eastern portion of the country, which at this writing is under a coating of from six to ten inches of ice.. This kind of season is the hardest on the hardy shrubs and bushes, and the herbaceous plants, as many of them will be killed—smothered under the ice. It behooves all to take a look at these plants and if the signs show that they are being killed, arrange for re-planting. Nothing can be done to save them after the ice-sheet is on, if protection was not given before. A covering of snow is a good protection, but a heavy one of ice generally means death to the roots.

The reception given by the readers of this paper to the new Garden Department is very flattering, especially to the Editor. The influx of over 25,000 subscribers since the first of the year impels me to repeat that **this Department is run entirely in the interest of our readers;** it is at their service in all matters relating thereto, and we welcome inquiries and criticism. We ask your help in showing this Department to your friends who are not subscribers, and solicit their subscriptions. **I must have that** extra page for this Department.. See issue of January 15—and help me.

Yours sincerely,
SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

Flowers For the Carnival.

To the several thonsand persons who will manage flower carnivals for the first time the coming year, I want to say a few words. If you have not yet sent for the booklet, do so at once (address Samuel Armstrong Hamilton, care Upto-Date Farming, Indianapolis, Ind., and enclose a stamped addressed return envelope) and then get up your club order for the seeds your members will need, and send it in. Keep in mind that there are certain flowers which are the leaders in this kind of work, sweet-peas, gladioli, and asters, but the entire range of summer flowers may be included. However, at all the shows at which I have been the judge, the three named made more than three-fourths of the show. The sweet-peas must be planted and exhibited **as named varieties, in separate colors.** Plant your sweet peas early, in the richest soil, and the sunniest location, and give them good drainage, and you will have a fine display. The gladioli and asters must not be planted until the ground is warm, but if you have the facilities at hand, they should be started in pots and be ready to set out as soon as the weather permits.

Carnival Catalogues.

The editor of this Department would be greatly pleased to receive copies of the programs of all carnivals organized this year, and will be glad to be of assistance in any way regarding them. If the merchants are solicited for advertisements the expense may be paid in that way.

THE ORCHARD

Pruning a Neglected Orchard.

My text is founded on a letter from a subscriber, who writes that he has bought a run-down farm, and the trees in the orchard are covered with suckers from the roots, and all over the limbs, and asks how to prune it to get the best results. He has quite a job before him, and must have plenty of courage, and patience, but there is no reason why, if the trees are thrifty, he should not make a good orchard out of it.

The whole scheme of pruning is to produce fruit buds, in such places and such quantities as will give the best fruit. There is no other reason for it. It is an abnormal function, like many other artificial ones in horticulture. If the trees never were pruned, and grown always from seed they would by the process called "atavism" soon recede to the original thorn-apple from which they came. As the apple has been improved by the processes of hybridization and selection, so by neglect and elimination they will deteriorate.

In the neglected orchard, the first thing to do is to cut off close to the ground all suckers, and if possible, cut them down deeper than that. Go over the trees and cut out all water-sprouts, close to the bark, taking care that the bark is not injured. This can be done with a small pruning-saw, if over an



12 Hardy Blizzard Belt Strawberry Plants FREE!

Everybody likes strawberries and to prove that our "BLIZZARD BELT" plants are the strongest rooted and heaviest fruiters, we offer to send ONE DOZEN selected plants to you FREE OF CHARGE. We picked 35 quarts of fine fruit from a test bed of but a dozen strawberry plants set the year before. You can do as well. If you care to send 10 cents for mailing expense, we will add 6 BABY EVERGREENS 2 years old and send all to you at proper planting time. Write to-day and we will enter your name for the plants and send you our CATALOGUE and BARGAIN SHEETS of HARDY "BLIZZARD BELT" fruits by next mail. Address



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There is but one—"PRATT'S" Trade Mark, Reg. U. S. Pat. Off.
Prices: In barrels and half-barrels, 50c. per gallon; 10 gal. cans, $6.00; 5 gal. cans, $3.25; 1 gal. cans, $1.00. If you want cheap oils, our "CARBOLEINE" at 30c. per gallon is the equal of ANYTHING ELSE. Send for free Booklet, "Orchard Insurance."

B. G. PRATT COMPANY, Mfg. Chemists. 50 CHURCH ST., NEW YORK CITY

inch in diameter, or a sharp chisel if less than that. In using either, make a cut on the under-side first, then from the top, so that there will be no "stripping" of the bark as would be the case if the cutting were all done from the top. **REMEMBER: An axe has no place in an orchard,** except to cut up limbs for fire-wood; any one who uses an axe to prune trees is committing the limit of foolishness. The small swivel-saw, and the heavy pruning-shears are part of the kit which will be needed.

Paint Wounds.

All the wounds made by cutting off the suckers and sprouts should have a heavy coat of pure white-lead in oil. Some writers say that wounds less than an inch may be disregarded, but there are a number of fungous diseases which will enter the life of a tree through a less wound than that. Take the safe course, and run no risks, by treating all wounds. You should know something as to the varieties when pruning. Those which have a tendency to overbear require closer pruning than the shy-bearers. For this reason directions cannot be given as to how much to take off of any one tree.

Rotten Wood.

The one thing which must have critical attention is the entire elimination of rotten wood at all points on the tree. If the trees are so far gone from disease or fungous that the ends of the limbs are all decayed, they can be cut back to spurs and top-worked. This is also the case where cross-growing limbs, if cut off, would leave a permanent vacancy that would spoil the tree, and reduce its productivity. In such cases the fractious limb is cut back to a six inch stub and top-worked.

If the trees in the old orchard have been grown hap-hazard, and not by a system, it is still possible, at the time they are given a general over-hauling, to put them in some kind of shape. Size up the trees and decide which of them have been grown with central leaders, and allow them to remain such.



Fig. 2—Jonathan tree well headed- in.

Those which have been headed back or "in" should be marked to be made into "open-head" specimens. In making them such, cut out all the inside limbs, especially those which cross each other, and take off the small limbs from the inside of the frame-limbs—those which were the main support of the tree when it was young—and this will admit light and air to the head, and permit of ventilation as well. As this kind of trees has been covered with shade, perhaps, for years, owing to the dense amount of foliage on the rank growth, it would be fatal to submit them to the full sunshine the first season, and to prevent trouble from this score, the trunks and large limbs should be white-washed, as soon as the weather will permit, unless you intend to use the lime-and-sulphur wash for scale —which of course you should do.

If you are wise, when re-creating the old orchard, you will not prune for a crop the first season, but prune severely the tips of the branches, as well as what has been advised above. But, if your trees are in bad shape, and it is possible to save them by top-working only, do not remove all the top now, as that would in the case of the apple, likely prove fatal. Select the six best limbs for grafting-stubs, and cut them off, and allow the rest to remain to nourish the trees, and make shade and protection for the young scions for two years, when the remaining top may be cut away, and you will soon have a fine new top. While you are about it, just find out if the old orchard is not made up very largely of out-of-date varieties, and if so, and it is necessary to top-work, get grafts of some of the modern apples, such as Jonathan, Yellow Transparent, Winesap, Baldwin, Newtown-pippin, a good Greening, or any of many fine ones.



Fig. 3.—San Jose scale (much enlarged). Next to codling moth, the most destructive orchard pest. Spray with lime-sulphur in spring.

Spraying.

It is likely that in rejuvenating an old orchard you will find it covered with scale, and I really do not feel like encouraging you to attempt anything with it unless you intend to spray thoroughly the coming season, and keep it up indefinitely. If it requires constant spraying according to a well-defined schedule to keep up an orchard which has never been neglected, how much more will one need it which has always been neglected. You can count on it that it is infested to the limit, and systematic spraying should be part of your program.

Scalecide Best.

As soon as you get the trees pruned, destroy by fire all the trimmings. Do not allow them to lie about for fire-wood, but totally destroy all the scale and fungous that is on them by fire, and as soon as the weather will permit, give the pruned trees a spraying with SCALECIDE. I recommend this most on the strength of experiments on an elaborate scale made by the Missouri State Fruit Experiment Station which showed that in all experiments with this substance, there was 100 per cent. of success. Large plots of trees were treated in the fall, and in the spring there was not a sign of a single scale. No other spraying mixture has shown such results. I want my readers to know which is the best for their purpose in destroying this dangerous pest. The lime-sulphur wash is next best, especially when there are facilities for making it in large quantities, but it is not as easily handled by the individual farmer.

In tests made by the U. S. Department of Agriculture it was shown that the progeny from one scale in one season was 3,216,000,000 and if a single scale be left alive at the time of the annual spring spraying, **it is possible for that one scale to entirely cover the tree in one season.**

These facts teach us that spraying must be thorough. It must be kept in mind that the successful spraying must be done during the time when the trees are dormant, as a spray applied during the growing season, strong enough to kill the adult scale, will kill the foliage. Make active preparation now for the spraying which must be done shortly. Watch this Department for information.

CAN YOU MAKE A BOUQUET?

A PRIZE FOR EVERY CORRECT ANSWER!

If you will cut out these **eight pieces** here illustrated and join them together in their proper places you will have a very beautiful picture showing a collection of flowers suggested by the flower seeds we are giving away. The eight pieces being all the same shape makes this **look hard at first,** but if you will give your whole attention to it for a few minutes, you will be surprised how easy it is to do this and how fascinating it becomes. If you succeed in correctly joining them together so as to complete the picture, we want you to paste them on a piece of paper and **send to us.**

Here you have all the Seeds for Your Flower Garden



Ten Varieties

Our Dear Old-Fashioned Favorites

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Nasturtium
Mignonette
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Sweet Alyssum
Sweet William
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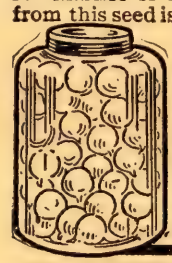
All Guaranteed True to Name
Cultural Instructions Included

10 Prize Seed Packets Given

To every one who sends us the entire eight pieces pasted together correctly we will award as a prize 10 of our beautiful packages of seeds all as specified above. This is a practical puzzle. After you have cut the pieces out, trimmed them and found out how they go, we want you to paste them on a piece of paper, write your name and address on it and send to us with **4 cents in postage stamps,** and, to pay you for your trouble, we will send you these **10 assorted packages of flower seeds.** We have a wonderful assortment. When we send you these **10 packages** we will also make you another big offer that will **surprise and amaze you.** Cut out the pieces today and see if you can put them together so as to make the original picture, then send to us with 4 cents in stamps, if you want the valuable seed prize award and want to know what our **big surprise offer is.** Send answer and 4 cents in stamps to

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May's Perfect Pickling Onion



MINNESOTA GROWN—The best of all for Pickling purposes either for Market or Home use. The wide popularity of Onions grown from this seed is well proved by the largely increased sales with which we are favored year after year.

It grows rapidly, but remains small and is of the mildest possible flavor. The onion is white, slightly flattened and exceedingly handsome, making it valuable for bunching. **Pkt., 10c, oz. 20c, ¼ lb. 50c, lb. $1.75.**

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Plants, Bulbs, Fruits and Trees. Contains all the **good things** for the **Garden** and **Farm** worth growing at the **right prices.** Don't fail to secure the **book.** Write today. (7)

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Ratekin's Big Banner 100 Bushel White Oats—The biggest, prettiest, plumpest oat in existence. Side by side with common sorts they yield 100 bushels per acre where other sorts make but 25 to 35 bushels. Strong stiff straw; sprangled heads; ripens early; never rusts, blights or lodges. **There is none like them,** and when our stock is exhausted there is no more to be had. **Samples Mailed Free.** Also our Big Illustrated Catalog of farm, field, grass and garden seeds. A postal card will bring them to your door. Address, **RATEKIN'S SEED HOUSE, Shenandoah, Iowa.**

SEEDS **$1.50 Worth to Test Only 10 Cents**

We will mail one Full Packet each of the following 15 Grand New Sorts for only 10 cents. These would cost at least $1.50 elsewhere.

BEET, Perfected Red Turnip, earliest, best.
CABBAGE, Winter Header, sure header, fine.
CARROT, Perfected Half Long, best table sort.
CELERY, Winter Giant, large, crisp, good.
CUCUMBER, Family Favorite, favorite sort.
LETTUCE, Bell's Prize Head, heads early, tender.
MUSK MELON, Luscious Gem, best grown.
WATERMELON, Bell's Early, extra fine.
ONION, Prizetaker, wt. 3 lbs., 1000 bush. per acre.
PARSNIP, White Sugar, long, smooth, sweet.
RADISH, White Icicle, long, crisp, tender, best.
TOMATO, Earliest in World, large, smooth, fine.
TURNIP, Sweetest German, sweet, large.
FLOWER SEEDS, 500 sorts mixed, large packet.
SWEET PEAS, ½ oz. California Giants Grand Mixed.
Catalogue and Check for 10 cts. free with order.

☞ This 10 cents returned on first 25 cent order.

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The Hurst Potato and Orchard Sprayer

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There's nothing in potato machinery up to

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Nursery grown, suitable for all purposes. $5.00 and up per thousand. We have 50 millions. Our low prices will astonish you. Also Hardy Forest trees, Shade, Ornamental and Fruit trees, Shrubs, Vines, etc. Our beautiful Catalog is crowded with valuable information. This and 50 Great Bargain sheet are free.

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4 SEED WONDERS

We have bought direct from Mr. Luther Burbank seed of his Giant Blackberry. Vines will trail on arbor or any support from 25 to 50 ft. producing enormous clusters over a foot long, berries large, exquisite flavor.

Garden Huckleberries, grow from seed in 4 months, about 2 feet high, yield great masses of rich fruit, excellent to cook, can and preserve.

Ground Almonds are nuts of delicious almond flavor for eating and will produce a crop in 4 months from planting. One nut planted will grow 100 to 200 nuts.

Drought Proof Potato is a wonder, resists drought and blight everywhere. Big yielder, potatoes large, white, of best quality.



For only 8c. for packing, mailing, etc., we will send trial packet each of the above 3 novelties and **10 Drought Proof Potato Eyes**, carefully packed from frost with instructions how to keep for planting, and a 10c. Due Bill good for a 10c. selection from our 12 colored plate 1910 Seed Catalog, sent Free. Order today.

Mills Seed House, Box 75, Rose Hill, N. Y.

Spray Mixtures For Scale.

There are two standard mixtures which can be prepared by the orchardist at home, if he prefers for spraying the San Jose scale. They are

Lime Sulphur Wash.

15 pounds fresh lime,
15 pounds sulphur,
50 gallons water.

In a forty-gallon iron kettle heat twelve gallons water almost to boiling point. In a separate kettle mix



Fig. 4.—Oyster-shell scale. Often mistaken for San Jose scale, but not as injurious.

the sulphur with enough water to form a thick paste. Put the paste in the boiling water, and add the lime, adding a little cold water occasionally, to keep it from boiling over. When lime is slaked, boil one hour. Then strain into spray tank and add enough water to make 50 gallons.

Kerosene Emulsion

One-half pound hard, or 1 quart of soft soap.
Two gallons kerosene oil,
One gallon soft water.

Dissolve the soap in the water heated to boiling. Remove from the fire and add the kerosene, churning violently until it makes a creamy emulsion. Apply in the proportion of one gllon of emulsion to nine gallons of water.

THE SMALL FRUITS

The demand for small fruits of first class quality is never met. There is too much of the inferior grade put on the market. All such should be disposed of through the farm canning department referred to in the last issue, and only the choice, perfect ones taken to the market. The result will be that there will be an increased demand for fine fruits at enhanced prices, and it is "up to" you to fill this demand by growing more small fruits by up-to-date methods.

Strawberries.

The strawberry, our leading small fruit is best set out in the spring, and you should by this time be looking out for your plants. Send in your order at once, as the first comers get the best assortment. Order them subject to shipment on three days notice, and they will be on hand when wanted. There is a special fertilizer being used in some parts of the country for growing small fruits, especially the strawberry, and I wish my readers to try it and



FIG. 6 FIG. 5

Pruning the strawberry. Fig. 6, plant unpruned; Fig. 5, plant properly pruned.

report results. It is made of three fourths hard wood ashes, and one-fourth ground-bone, applied early in the spring, being merely brushed in with a drag or shallow cultivator. If you have not a supply of this get the ingredients and mix it yourself. It is not expensive, and will carry from two to three crops. The time is coming when every farm will have its ash-kiln, in which all wood rubbish will be thrown, to be periodically burned into ashes for fertilizer. On many farms there is enough ashes going to waste every year to fertilize an acre of small fruits. I know one truck-gardener who gets his supply by buying, at a cent apiece, old railroad ties and burning them in a pit. A box of his "Bubach No. 5" strawberries is a sight to behold. Prune the strawberry plants as soon as the snow goes.

The Pollination of Fruit.

Experiments carried on by one of the experiment stations have shown marvellous results from the keeping of bees in an orchard, as compared to apples grown beyond the reach of the bees. In the experiments referred to one third of the apples from the trees which had to depnd on the wind or self-pollination were small and defective, while on the trees which were fully pollinated by the bees there were no small apples. The trees received identical treatment as to spraying, and culture, and were of the same age and variaties. After such a demonstration it should not be necessary to tell any farmer that he should have as many hives of bees as the size of his orchard demands. This demand would be imperative even if the bees cost a dollar a hive, per year, for maintainence, but, when we consider that they will produce, in skillful hands, from five to ten dollars a year per hive profit, it seems almost criminal not to have them. The orchard is the place for the apiary, and there should be at least one hive for every fifty mature trees—twice that many will be better. Consult the advertising pages, and get your order for bees and queens in early to be shipped when needed.

GARDEN AND ORCHARD IMPLEMENTS

The Garden and Orchard Fence.

This rightfully comes under this heading. Now is the time, if not already done, to go over the fences, and those which do not require new posts should be put in repair, instead of waiting for the rush spring season. Make all farm fences hog and chicken proof. There are a number of first class fences adverised in this paper. Pay a good price and get a good fence, and see that it is anchored well. Anyone who loses a garden crop, by animals breaking in during the growing season, deserves all he gets, as the best of fences is not expensive—compared to what they used to cost.

EXPERIMENT STATION NEWS

One of the most useful experiments ever made was that of the **Illinois Experiment Station**, Urbana, Ill., which laid out a half acre farmer's garden, the object of which was to secure data covering five years, regarding the cost of such a garden, and the value of its products, and to demonstrate the feasibility of securing a supply of vegetables throughout the year by a proper selection of varieties, timely planting, and judicious tillage. No charge was made for the use of the land, nor for the manure, but all labor was charged at farm rates, as, in many cases, the garden has to be worked with hired help. However, no charge was made for labor in gathering the crops, as under farm conditions it would be gathered from day to day by some one interested, usually the farmer or his family. The prices of the different things grown were based on the local prices at the time the crops were gathered. The average income per year, for the five years was $105.23, and the average profit $74.85 or a net profit per acre of over $150.00 per year. And yet some farmers to this day say the garden does not pay.

The **West Virginia Experiment Station**, Morgantown, W. Va., has put out a bulletin on "Starting Young Orchards," which contains much valuable matter of interest to those who intend to make new orchards. The best thing in it is the plea, backed up by proof, for the tillage system of orchard management, in contra-distinction to the cover crop or mulching systems.



The Best Spray Pump

Sprays the tallest fruit trees from the ground. Not too heavy for low bushes. Sprays quickest and best. Does the work in half the time and does it thoroughly. Always ready. Used with bucket, barrel or tank. Lasts a lifetime. No leathers to dry up, wear out, or make trouble.

Standard Spray Pump

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800,000 **Carolina Poplar** 2 to 8 ft. $12 per 1000. 3 to 4 ft. $18. 4 to 5 ft. $22. 6 to 8 ft. $35. 10 to 15 ft. $55. Boxing free. Fruit, Shade, Ornamental and Nut bearing trees of every description. Our catalog will save you money. Free to everybody.
Sheerin's Wholesale Nurseries, Dansville, N.Y.



TOMATO GRAPES

A Great Curiosity for garden or yard, just what you want, grow from seeds in 4 months, will climb an arbor, porch or any support 10 to 15 feet, vines completely loaded with large clusters of fruit, size of grapes, flavor of tomatoes, red in color, excellent for preserving.

Lemon Cucumbers, a splendid fruit, grow on long vines in great abundance; color, shape and size of lemons, quality equal to the best cucumbers.

Early June Cabbage is the earliest of all, forms good size heads in June.

Early July Tomato is very smooth, bright red, ripens in North by July 4th.

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To introduce our seeds we will mail one **trial packet** each, all 4 pkts. in **Coupon Envelope** for 4c, and coupon envelope will be accepted for 5c in pay for any seeds we offer in our catalog. 1910 8-Color Catalog, is handsome book of seed bargains, sent free with every lot.

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SPECIAL OFFER:

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Prize Collection Radish, 17 varieties; Lettuce, 12 kinds; Tomatoes, 11 the finest; Turnip, 7 splendid; Onion, 8 best varieties; 10 Spring-flowering Bulbs—65 varieties in all.

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10,000 Kernels
Richest, juiciest, tenderest seeds.
1500 Each, Lettuce, Turnip, Rutabaga.
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In all 10,000 kernels, including big catalog, all postpaid, only 16c in stamps.
Or, send 20c and we add package Nameless Corn for you to see, name and win

$500 in Gold

Mammoth catalog free, telling of four Farms to be given away, absolutely free, for the biggest oat yields.

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We are giving away seeds of these 12 Kinds as Free trial Samples to introduce to new customers, to test our seeds, which will produce bushels of Vegetables, Fruits and Flowers worth many dollars.
1 pkg. Radish, Giant Japan, largest in world, 15 to 20 lbs.
1 pkg. Egyptian Wheat Corn, grows like wheat on stks.
1 pkg. Lettuce, All Summer, good all times. Early or late.
1 pkg. Pop Corn, Baby Golden small, 6 to 8 ears on stalk.
1 pkg. Sweet Corn, North Pole, earliest known.
1 pkg. Tomato Peach, grows rapid, looks like peaches.
1 pkg. Onion, Giant American, largest of all onions.
1 pkg. Chinese Lantern Plant, fruits like Chin. lanterns.
1 pkg. Giant Raspberry-Blackberry, large, grows from
1 pkg. Coffee Berry, a good substitute for coffee. [seed.
1 pkg. Strawberry, Large French, grows from seed.
1 pkg. Sweet Peas, 85 kinds in gorgeous mixture.
These 12 Sample Lots growing in your garden, will be your delight to show and surprise your neighbors, and we will mail all 12 pkgs, in a Coupon Envelope for 6c. postage and packing, and this Coupon Envelope when emptied will be accepted as 10c. payment on anything in our catalog.
1910 Catalog of Seeds, Plants, Fruits, Novelties, with 12 Colored Plates, mailed free with all Sample lots.
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Every Gardener and Planter should test the superior merits of Our Northern Grown Seeds.

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FOR 10 CENTS
we will send postpaid our
FAMOUS COLLECTION

1 pkg. 60 Day Tomato	20c
1 pkg. Princess Radish	10c
1 pkg. Self-Growing Celery	20c
1 pkg. Early Arrow-head Cabbage	15c
1 pkg. Fullerton Market Lettuce	10c
Also 12 Varieties Choice Flower Seeds	25c
	$1.00

Write today! Send 10 cents to help pay postage and packing and receive the above "Famous Collection," together with our New and Instructive Garden Guide.
GREAT NORTHERN SEED CO.
254 Rose St. Rockford, Illinois

FERRY'S SEEDS

To grow the finest flowers and most luscious vegetables, plant the best seeds. Ferry's Seeds are best becaus they never fail in yield or quality. The best gardeners and farmers everywhere know Ferry's seeds to be the highest standard of quality yet attained. For sale everywhere.

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WORLD'S GIANT TOMATO



This King of all Tomatoes is largest and most productive ever offered. Engraving was made from photo of plant grown by J. B. Gilbert. It grew 18 feet high and produced 5 bushels of fruit, very large, smooth, few seeds, solid all through, red in color, ripening very early and continning all summer.

We want every person who uses seeds to see our Seed Book and test our seeds and we will give sample packet this **Giant Tomato**, also 3 other great **novelties free** for trial:
1 pkt. 16 Day Radish. Earliest Round Red Radish in the world.
1 pkt. Gigantic Cabbage. Largest heading kind known, from Europe.
1 pkt. Wonderful Lettuce. Earliest, largest, tender and crisp any time. Heads often 3 ft. around.
For only 6c. postage and packing we will mail these 4 sample pkts. and big 1910 Seed Book full of novelties, Seed Offers and a coupon, good for a 10c. selection from our Seed Book.
Fairview Seed Farms, Box 122, Syracuse, N. Y.

REQUEST ADVERTISERS WANT TO *Know in what Paper seen. Therefore We* **TO** *their Advertisement was Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers.* **READERS.**

The tileage system is best when it includes in its scheme the periodical use of cover crops, for humus addition, but at other times free tillage; a half-done tillage is a damage to an orchard.

The New Jersey Experiment Station, has issued a bulletin showing the additional profit to be made in growing certain garden crops by the judicious use of nitrate of soda, and how it should be used. As much as 155 per cent. increased profit from rows side by side were shown. Any farmer or gardener can figure out the value of such experiments. The increase was as relatively great in quality as in quantity.

The Ohio Experiment Station, Wooster, O., has put out a bulletin, well illustrated on "Protection of Fruit Trees From Rodents," which is of great value to the fruit grower. It gives the various known methods of tree protection, all of which are illustrated, but it fails in advocating the cause of the rabbits under the plea of "protecting both the trees and the rabbits." I say, there is only one sure way to protect the trees from rodents—kill the rodents, rabbits and all. A dead rabbit is sure not to injure a tree—a living one is likely to.

The Division of Zoology of the **Department of Agriculture** of Pennsylvania has issued a bulletin on "Nursery and Orchard Inspection." It is a fact known to few, even among the Pennsylvania farmers, that every orchard in the state has quietly been inspected by the agents of the Division of Zoology, and the owners of those which were found infected will get notice to clean them of scale or it will be done for them at their expense. This should be done in every state. One careless or indifferent fruit grower can keep a whole neighborhood polluted with scale.

QUESTIONS ANSWERED

The January first Garden Department, created such a furore that many questions relating to the topics treated therein have come in to me, and I take great pleasure n answering some here, and will welcome all that my readers may send relating to the garden or orchard. I am here to be of service to you. Your real name must be signed to all letters, but will not necessarily be published.

TRIAL SUBSCRIBER. My reason for recommending alfalfa as the best legume is *because it is the best,* and with the "lime inoculation" method of culture, there will be small chance for failure. Write Mr. W. G. Spangle, Altoona, Pa., for a bulletin on this method of alfalfa culture, free, naming UP-TO-DATE FARMING.

J. C. WILSON, Ohio—There is more or less waste land about every farm—use some of it as an alternative garden, as outlined in the issue of Jan. 1. It will pay the heaviest dividend of all your land. Sow it in cowpeas, as directed, but plow deeply.

R. H. G., Michigan—I omitted the names and addresses of the experiment stations inadvertantly, but in future issues the full name and addresses of all such will be given.

ORCHARDIST, Indiana—While it may, as you say, be impracticable to totally exterminate the rabbits, yet, several annual rabbit-drives, and the presence of a couple good beagles will keep them at a distance. And then—I advised protection in addition.

BEGINNER Pa.—I would put the potash on the lawn when there is a light snow this winter, or as soon as the snow goes, while the lawn is still soft. You can put on the Canadian wood-ashes at any time but mid-summer.

OLD SUBSCRIBER, Mo.—It is our intention as far as possible to illustrate this Department in future. *It is a secret*—but as soon as the 200,000th subscription comes in, I am going to "stand-up" the publisher for calendered paper and half-tones for my Department.

HOOSIER, Indiana—I relish very much your criticisms. They are really helpful, and show me how my Department impresses my readers. I wish every one of my readers would write me his opinion as you have. I would advise the arsenate of lead rather than the Paris Green, which evidently was too strong and burned the foliage of your trees.

C. W. G., Iowa—You are mistaken. There is no equal area on the farm that will pay as much to the acre as an intensively cultivated garden of an acre. See reply to J. C. Wilson, above. You are making the mistake of thousands—letting the garden to the women, who are already over-burdened. *Give them a strong man when needed.*

JAMES, T. J., Indiana—Your complaint is one of many—that it is impracticable to grow legumes for soiling in an ordinary garden. However, if your garden is too small, you can grow the legume elsewhere, cut it, and dig under, for humus, but this will not take the place of the roots. See answer to J. C. Wilson, and have an adjunct garden.

FARMER'S DAUGHTER, Minn.—Yes; you can with safety make a hardy garden this spring. Give your order for the plants and shrubs now—to be shipped when directed. I, of course, hope you will give preference to our advertisers. The soil should be very rich in phosphate and potash.

MARKET GARDENER, N. Y.—See advertising columns for addresses of reliable seed-potato dealers. Send for a sample, if you intend to buy a large quantity.

D. C. W., West Va.—If you see to it that your young trees are thoroughly disinfected and fumigated before shipping, it will, by modern means of spraying, be possible to keep your young orchard entirely free from scale and fungous, but it must be given attention at proper seasons.

O. D. H., Lockwood, N. Y.—The old run-down orchard which you have bought has great possibilities, if properly handled. See article on this subject in this month's orchard department, and some special instructions sent you by mail.

MRS. HEWIT, Ky.—I have mailed you the booklet on flower carnivals for the use of your Sunday school class, which gives you full instructions. It is free, and sent to subscribers on application.

A Word to the Wise

Our editor-in-chief said to the department editor: "Don't repeat! Life is too short and there are so many truths to teach that we cannot afford to go over the same ground twice. We are publishing this paper to be read and then preserved for future reference. We want every reader to preserve every crop, so when necessary, refer to back numbers and let them go to the file and read again." I agree to this entirely and he is a wise man who will preserve all the 1910 papers and he will have a true guide to orcharding and gardening in my department.

SAMUEL ARMSTRONG HAMILTON,
Editor.

HONEY

Ask the average child whether he will have honey alone on his bread, or butter alone, and almost invariably he will promptly answer "HONEY." Yet seldom are the needs or tastes of the child properly consulted. The old man craves fat meat; the child loathes it—he wants sweet, not fat—he delights to eat honey—it is a wholesome food for him and is not expensive—why should he not have it? Keep some bees.



SEED TALK!

Have you ever figured it this way?

That your seed is about the cheapest thing you use. The cost of the seed is small compared to the cost of plowing, planting, cultivating, harvesting and marketing.

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THE HOME ON THE FARM

THOUGHTS THAT COME

THE FROST ON THE WINDOW.

BY JOHN P. STELLE.

IT IS very quiet out of doors. Not a sound is heard, and not a bird is flitting among the branches of the trees in the door yard. Even the winds are at rest, and myriad stars look down upon the home, some twinkling as in joy and gladness, some cold and stern like a face veiled in its own stubborn selfishness, while others seem to wear a sweet, sad smile of pity as they look down upon the human griefs and sorrows so often found in human homes.

Within all is silent, too. Another day's toils are ended. The things that busy fingers wrought upon are laid aside; and life's trials, and sorrows, and disappointments, at least for the moment, are forgotten, while the busy minds and restless frames that, during the day, made the home a scene of life and activity, have sought repose—are dreaming, possibly dreams as bright as the twinkling stars that glitter above.

But all is not at rest. In the midst of the chilling silence an invisible hand is writing on the window. In the most delicate tracery strange figures appear. If words are inscribed it is in a language known only to the angels. But it is plainly written there. The unconscious household may not know it. The eyes closed in slumber did not see the hand that traced it; and the ears unconscious in the stillness, did not hear the movement of the pencil as the magic lines were made.

But in the morning all is plain. The figures on the glass stand out in boldness against the sky brightening up pictures are beautiful. Some are grotesque and uncouth. Some are distorted and repellant. Still they all, the pretty and the ugly, look with the same unsympathetic stare into the home.

What do they mean? Only that Nature has been at work during the silent watches of the frosty night, and has left her tracks upon the shining glass, so transparent that those within must see.

With equal silence, and in as unexpected hours, do influences work upon the souls of men. Angels or demons? "Try the spirits." Are the figures beautiful, and do they glow with an effulgence calculated to make the whole life brighter and shed a halo around every word and action, scattering happiness along life's pathway, and making all that come within our lines feel the sweetness that wipes the tears from human eyes, and makes lighter the burdens of the laden?

Or are those pictures on the soul stern, relentless and cold as some of the stars that frown rather than smile in the heavens, and do they all through life breathe an atmosphere of coldness and death, instead of to call from their slumbers the violets and roses?

It may be that demon fingers, while you were least conscious of it, wrote on the untarnished pages of your life, falsehoods to mar the delicate sheen, and to show in bold outline, not only to you but to the world when the blushing light of publicity revealed them. How often do hot tears flow to wash away such cruel tracery, and still the relentless stain remains, colder than the frost that wrote on the window pane!

But through it all the brightness of the heavenly lines are seen, and the soul that is filled with love for God and humanity, may be sure that when the night is darkest the stars in the unclouded sky will shine the brightest, and when the waking eyes open in Eternity, they and the angels will see on the windows only the bright tracery the hand of Infinite Love has wrought.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

A MINUTE WITH THE POETS.

The folks in the home have earned the rest that comes with reading and thought, and if the time be well chosen, some mental food may be enjoyed that will be conducive to greater happiness if not to longer life. How glad would we be to spread such a feast before every reader of UP-TO-DATE FARMING especially those whose exacting duties hold them so much in the house.

Is there a new baby in the home? There is not a doubt but this very issue of UP-TO-DATE FARMING will find homes where babies have but very recently been received. Thomas L. Masson thus greets the new baby, and welcomes it to the good things of the world:

Good morning, little baby,
With your lips all dew-empearled,
Permit me to present you
To an interesting world.

It is full or fads, they tell me;
It contains the false and true;
But whatever may be in it,
It is all, my dear, for You!

All the thinkers who are thinking;
All the brawny sons of toil;
All the seeds that are up-sprouting
From its re-creating soil;

All the protoplasmic planning;
All the schemes that come and go,
Coalescing and progressing
In the Cosmic ebb and flow,

Are preparing for your pleasure,
Are maturing for your good,
We have made some failures, baby,
But we've done the best we could.

Pray accept therefore our greeting,
And our maximum of cheer,
In the spirit we present it—
We will make you happy here.

But by and by the baby will cease to be a baby, and then it must be brought under control. Will it be frightened into obedience? Not if you love it. No. We have heard childen told all sorts of frightful things would get them if they were not good. No child could be so bad as the parent is who resorts to such a course. An unknown poet touches that idea in the following lines:

He who checks the child with terror,
Stops its play and stills its song,
Not alone commits an error,
But a grievous moral wrong.

Would you stop the flowing river,
Thinking it should cease to flow?
Onward must it flow forever;
Teach it gently where to go.

But among the little folks and the big, the tongue often betrays us, if it does not get us into trouble. An un-

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Name.....

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ruly member, the Bible calls it. Edmund Vance Cooke treats the tongue quaintly if not profoundly:

You forward fellow, Mr. Tongue!
I met my friend, and out you flung
With "Glad to see," and "How d'ye do?"
Although he bowed to me, not you.
If I would eat or drink, you haste
To claim the first and freshest taste;
And when my doctor visits me,
Why out you pop for him to see!

How hard for you to curb your will
And learn the lesson, "Peace, be still!"
How eager seems the boast to slip
From your too-active, agile lip,
How easy for the hasty phrase
To rasp and rankle, then, for days;
Few heads were hurt, few hearts were wrung,
If you but rested, Mr. Tongue.

Oh, Mr. Tongue, perhaps no song
Of yours will bear the world along;
You may not know the thunder speech
Into all human hearts to reach.
But yours may be the whispered word
Both gently breathed and gently heard,
And then you may be blest among
Your fellows, O ambitious Tongue!

But what of goodness? People differ. Each is liable to believe that is the real good to which he or she is most devoted. But there is that which all must consider good, that which makes the home the sweetest place for all that belong there. John Boyle O'Reilly works it out in verse:

"What is the real good?"
I asked in musing mood.
Order, said the law court;
Knowledge, said the school;
Truth, said the wise man;
Pleasure, said the fool;
Love, said the maiden;
Beauty, said the page;
Freedom, said the dreamer;
Home, said the sage;
Fame, said the soldier;
Equity, the seer.
Spake my heart full sadly,
"The answer is not here."
Then within my bosom
Softly this I heard:
"Each heart holds the secret;
Kindness is the word."

Sometimes, however, in the rush of life and its duties, you think you have not time even to be kind. This is truly a busy life for industrious men and women. Many things we would do to make others happier, if we had time, and the bitterest drop in the cup after a while may be that we waited until we had time. This thought, we are inclined to believe, appeals more to the farmer than to his wife. But it is well for all of us to reflect upon it. If a kindness is to be done, don't wait till you have time. The following verses fit the case. We do not know the author:

When I have time, so many things I'll do
To make life happier and more fair
For those whose lives are crowded now with care.
I'll help to lift them from their low despair,
When I have time.

When I have time, the friend I love so well
Shall know no more these weary, toiling days;
I'll lead her feet in pleasure paths always,
And cheer her heart with words of sweetest praise,
When I have time.

When you have time! The friend you hold so dear
May be beyond the reach of your sweet intent;
May never know that you so kindly meant
To fill her life with sweet content,
When you had time.

Now is the time! Ah, friend! no longer wait
To scatter loving smiles and words of cheer
To those around whose lives are now so dear;
They may not meet you in the coming year—
Now is the time.

Do we judge ourselves as we judge others? We are human, and it is human nature to excuse in ourselves what we condemn in others. We, you know, are "overtaken by a fault" that others wickedly plunged into. Strickland W. Gillian caught the idea in the following verses:

Just stand aside and watch yourself go by.
Think of yourself as "he," instead of "I."
Note closely as in other men you note
The bag-kneed trousers and the seedy coat,
Pick flaws, find fault; forget the man is you,
And strive to make your estimate ring true.
Confront yourself and look you in the eye—
Just stand aside and watch yourself go by.
Interpret all your motives just as though
You looked on one whose aims you did not know.
Let undisguised contempt surge through you when
You see you shirk, O commonest of men!
Despise your cowardice; condemn whate'er
You note of falseness in you any where.
Defend not one defect that shames your eye—
Just stand aside and watch yourself go by.

And then, with eyes unveiled to what you loathe—
To sins that with sweet charity you'd clothe—
Back to your self-walled tenement you'll go
With tolerance for all who dwell below.
The faults of others then will dwarf and shrink,
Love's chain grow stronger by one mighty link—
When you, with "he," as substitute for "I,"
Have stood aside and watched yourself go by.

Onward and upward. Every hour ought to give us higher hopes and brighter prospects. That is the prayer of UP-TO-DATE for every one of its readers.

SAVE THE FARM SHOES.

A large manufacturing concern gives as a good way to treat farm shoes in order to get the most and best service out of them:

"Oil is the natural food for leather. Any kind of leather that is worn around manure, in mud, or water, or dew, will soon get hard and crack, unless is is kept well oiled. Oil the shoes often and they will last twice as long. Any kind of animal oil or grease, free from salt, is good. Neatsfoot oil, beef or mutton tallow, or common cooking lard, is good. If shoes are put near fire or a hot stove when they are wet or damp, they will burn almost instantly.

THE FARM CELLAR

Nobody has greater need for a cellar than the farmer. There are fruits and vegetables to put away for winter, canned goods to save and root crops to store. And all of these often in anything but small quantities; and the saving of them, in any case, means a great deal to the family.

Those who have cellars we presume have already learned that an even temperature and as nearly as possible to the freezing point without any possibility of reaching it, and dry, is the ideal atmospheric condition. During bright days in winter, even though they may be quite cold, the windows, or some of them, should be opened a part of the time for purposes of ventilation, and to renew the air. Keep closed when conditions outside are warm and wet. To maintain a dry and uniformly cold temperature is the thing to accomplish for the cellar.

See that the house-plants have good ventilation, especially those in homes where the heating is done by stoves.

Watch the house-plants for red spiders. They are generally the worst during the coldest months, as then the rooms are likely to be kept the hottest and driest. Keep water evaporating in rooms which have growing plants in them.

Branches of broad-leaved evergreens, such as rhododendrons, laurel, and others can be kept green all winter if kept continually in water.

Keep a watch on the fruit and vegetables in the cellar. One rotten one will contaminate many, and cause loss.

F. S. E.
These letters three
Mean much to farmers homes
For all will be
Well off you see
When fair price making comes.

U. T. D.
As sure as fate
Reads UP-TO-DATE,
And stands for truth and right
No longer wait
Be not too late
For EQUITY is in sight.

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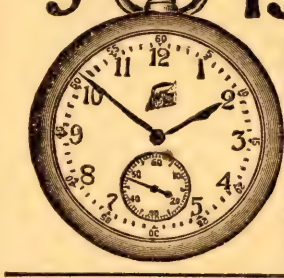
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LOFTIS BROS. & CO. THE OLD RELIABLE ORIGINAL DIAMOND AND WATCH CREDIT HOUSE, Dept. B 221, 92 to 98 State St., Chicago, Ill.— Branch Stores: Pittsburg, Pa., and St. Louis, Mo.



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This is a fine, handsome, clear toned good sized Violin of highly polished beautiful wood, ebony finished pegs, finger board and tail piece, one silver string, three gut strings, long bow of white horse hair, box of resin and FINE SELF INSTRUCTION BOOK. Send us your name and address for 24 packages of BLUINE to sell at 10c a package. When sold return our $2.40 and we will send you this beautiful Violin and outfit just exactly as represented.

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COLUMBIAN SALES AGENCY, Dept. 227 Chicago, Ill.

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Join the thousands of successful farmers who plant O. K. Seeds year after year and reap abundant harvests.

Garden, Field and Flower seeds.

Catalogue ready. Send for copy—Free.

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WATCH, RING AND CHAIN FREE

American Movement Watch. Beautifully engraved case, warranted time keeper, also chain and Signet Ring, all given Free for selling 20 pieces jewelry at 10cts ea. Write for jewelry. When sold send us the $2.00 and we send Watch, Ring and Chain.

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Dept. 159 East Boston, Mass.

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If you want a genuine Shetland Pony and Rig, **write to me today** for my **new** and the **easiest plan** you ever heard of. Don't send any money, just a postal, and **say you want a pony. I will be glad to help you.** Address
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Pony Farm, Box No. 755
Springfield, Ohio

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WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely designed case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.

Dale Watch Company, Dept. 53 Chicago

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3127 CARDS
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Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.
Miners Supply Co. Dept 2 , Palmyra, Pa

SEND DIME for 20 real Comic post cards. Name in big card exchange FREE.
EAGLE ART CO., Charleston, N. H.

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

On every farm there is buying and selling. No matter how humble, something must be bought in the way of farm, home or family supplies, and something must be sold from the farm to obtain the means of payment. Hence it is not all of farming to produce things. There must be ability to see to advantage as well as to produce abundantly. Have the boys and girls of the farms, the Cadets of Equity, noticed that farmers are nearly all in the notion to sell at or near the same time? That loads and loads of wheat or other farm stuff follow each other to the market, and that train loads on train loads take it away at the same time? Users of these commodities do not want them all at once, and such a superabundance must inevitably glut the markets and pull down the prices.

If instead of all going in at once, the supply could go in a steady stream just as the users need it for consumption, does it not look reasonable that the market would always be good and the prices steady? That is the Equity plan and when it is adopted, farmers will sell better for steadier prices; they will know better what their incomes will be, and that will enable them to buy better. Farming will be a better business then, and farm boys and girls will have a better chance.

A bright little Nebraska girl, who has not long been a farmer girl, is the first to introduce herself to the Cadets in this issue:

Dear Cadets:

I am a little girl aged eleven years. I have been reading the letters of other Cadets, and I hope this letter will make me a Cadet, too. I go to school every day, and walk three and a half miles, when the weather is good. I have a brother Jesse. My papa is a fireman by trade, but we are now farming for the first time. I am in the fourth grade at school, and I like my teacher fine. This is the first letter I ever wrote, and I hope it will make me a Cadet of Equity. I will tell you more about where we came from, and my pets in my next letter.

MARY HINSLEY.

Yes, your letter makes you a Cadet, Mary, and it is a very good letter for the first. We shall be glad to learn about your pets and your former home. We know your folks love learning by your going so far to school.

The next writer wants to be a poet, and sends a verse of her own composition. We have to work it over some, for it is a great deal harder to write poetry than it is to write prose.

Dear Cadets:

I am sending a little verse of my own making to see if I can be a Cadet of Equity. I have three brothers and four sisters, and snow is now about six inches deep here. Below is my verse:

The Bureau of Information
Will tell you of your station,
In raising and selling your crops;
And you'll never be cheated
When it is completed
For the greedy price-makers must stop.
So open your eyes
And show enterprise
Before you find it too late.
The best way to learn
Fair prices to earn
Is to read that good news UP-TO-DATE.

I love to read UP-TO-DATE FARMING, there are so many good pieces in it. I am 14 years old, and I live in Wyoming.

RUTH LEE.

That truly reads like poetry, Ruth, and what is more, it tells the truth. There, we have made another rhyme, but it was accident this time. See, there the jingle goes again! We'll have to quit and wipe our pen, or we may fill this UP-TO-DATE with things that ought to stop and wait.

But look! Here comes in nice array, a letter from good Iowa:

Dear Cadets:

That Illinois sleighing would make us laugh up here in Iowa, where we have good sleighing during most of the winter. But we do not suffer so much with the cold because it is steady, dry cold and we get used to it. Our sleighing parties are jolly occasions, and we could make it interesting for you southern Cadets if you could be with us.

We are sure for Equity in this State. The speculating price makers hurt us, but they could not beat us so bad if we did not sell too much at the wrong time. A great many of our farmers are dumpers, but those that read UP-TO-DATE are not. I liked those Texas letters.

JAMES SINKLER.

There are not so many dumpers, James; and when the Cadets learn their names, and Equity has had its day, and UP-TO-DATE has had its say, those that remain will pass away. So let each Cadet do his best, and UP-TO-DATE will do the rest.

Equity in the schools! That's no argument of fools, and this next letter tells us how wise folks teach the good things now:

Dear Cadets:

I attend a country school where corn and wheat are the principal crops, and where cattle and hogs are raised. I live in north central Missouri. For several years we have been reading UP-TO-DATE FARMING, and it has taught us controlled marketing. We had a good local union here, and regular meetings to make Equity speeches and sing Equity songs, but after the quarrel of 1907 we quit meeting.

But last week we decided to have an Equity meeting in the school house, for the boys and girls to say pieces. It was a fine time, and the farmers all enjoyed it. Our teacher is an Equity man, and he will have another meeting soon. He says he wants to teach the young people how to speak in public, and he proposes to teach them Equity at the same time. Every time he gets UP-TO-DATE he reads the letters in the school. We are strong for the Cadets in this school.

PERRY MANNING.

Wish all schools were like yours, Perry; it would make us happy, very; for we know 'twould not be long till farmers would throw off the wrong they've suffered for so many years, and toiled amid less hopes than fears. But still it rhymes and we must quit. We got wound up's the size of it.

Tongue-Twisters

Young people often amuse themselves by repeating sentences difficult to articulate. It is a good exercise in articulation. Here are a few:

A twister a twisting would twist him a twist;
To twist him a twist he three twines doth entwist;
But when one of the twines that he twisted untwists,
The twine that untwisteth untwisteth the twist.

The cat ran over the roof of the house
With a raw lump of liver in her mouth.

The bleak breeze blighted the bright broom blossoms.

Two toads totally tired tried to trot to Tedbury.

Strict, strong Stephen Stringer snared slickly six sickly silky snakes.

Susan shineth shoes and socks; socks and shoes shines Susan. She ceaseth shining shoes and socks, for shoes and socks shock Susan.

A haddock, a haddock, a black-spotted haddock; a black spot on the black back of a black-spotted haddock.

WEBSTERS ACROSTIC ON CORN

1st. **C**orn is a single seed of certain
2nd. **O**r various starchy cereal grains.
3rd. **R**elates also to corn producing
4th. **N**ow applied to maize, formerly to
—Webster.

BIBLE ACROSTIC ON CORN

"**C**ast thy bread upon the water,"
Or "lay up your treasure in Heaven,"
Render good for evil ever
Never use the Pharisee's leaven.

Respectfully,
S. H. CARNAHAN.

GIRLS HANDSOME FRENCH DOLL AND TOY-FILLED STOCKING

Without exception this is the greatest and best offer ever made, as a Beautiful French Doll and a Treasure Stocking filled with Toys are sent you as one present.



PRIZE No. 1 This French Doll is the handsomest dolly ever brought to the United States. She is dressed exquisitely, and with the very best materials. She has genuine eyelashes, which make her wonderfully beautiful. Her eyes close when she lies down. Her knees, legs, arms, elbows and head are jointed in a unique manner, so that they move in a wonderfully life-like way. Her clothing is in separate garments; each piece can be taken off. Dolly can be dressed and undressed as often as you wish and she is a big, fine large doll, measuring eighteen inches in height.

GIVEN EXTRA A BIG STOCKING FILLED WITH 15 FINE TOYS



REMEMBER, she is a great big doll, tall and stylish. A French darling direct from Paris.

PRIZE No. 2 is a stocking filled with all sorts of toys. This stocking will bring a happy surprise to everybody, as it contains presents for your papa, your mamma, your brothers, your sisters, cousins and friends, as well as extra toys for yourself. This stocking contains from nine to twelve extra presents.

NOTICE TO PARENTS This fine, big, French Sleeping Doll with genuine eyelashes and a big stocking full of toys will be sent charges prepaid.

Just send me your name and address, and I will send you 30 packages of **Exquisite, Lasting Perfume,** which you are to dispose of on my special premium offer of ten cents each. Send me the $3.00 you have collected, and I will immediately send you, all charges prepaid, this **Beautiful Doll and the Stocking Full of Extra Presents.** This is the best offer you have ever seen, so send me your name and address, that's all, and I will trust you with the perfume, so that you will have this **Fine French Doll with Genuine Eyelashes and the Stocking Full of Toys within a very short time.** Address

P. J. ALLEN, 631 West 43d Street, New York City. Dept. 21.

Sell Your Fur In The East

Send your fur where it will bring the most money. The East is the raw fur center. The East is the heart of the raw fur trade, pumping its life blood of dollars all over the world where furs are caught. This paper is full of advertisements from Western fur buyers. **But they ALL sell to Eastern dealers.** It makes no difference what **they** say; we **repeat** it—**THEY ALL SELL THEIR FUR TO EASTERN DEALERS.** We are here in the East within a few miles of Canada and New York City, the world's greatest fur markets, we **own our plant** and pay no rent, we do business **at small expense** and we pay from **ten to thirty per cent. more for furs** than **any** other dealer, **East or West.** This is no idle statement, but a **proven** fact. We have the **proof right in our catalogue.** Your Bank in **your own town** will tell you **we are reliable.** Send to-day—**now**—for our big **free** trappers' and buyers' guide, market report and price list. This is **different from anything you ever saw,** and **costs** you **nothing** but the time it takes you to write for it. Do it to-day and **get more $$ for your furs.**

Corry Hide & Fur Co.
P. O. Box No. 9827 Corry, Penn.



SEND US YOUR FURS

Make money on this years catch by sending it to us. We pay highest prices, and guarantee satisfactory returns. Shipments held separate on request. We pay all express charges and charge no commission. Get our price list and shipping tags now. All sent free upon request. A postal brings them. Let us keep you posted. Write today. Reference: East River Nat. Bank.
Struck-Chattin Co., Dept. G., 8 E. 12th St., N. Y.



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Illustrated Circular Free to anyone interested in RAW FURS.
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We Pay HIGHEST PRICES For RAW FURS

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LOOK HERE!

Have you seen the Hoosiers Special on Furs? If you haven t you had better send for it at once. I am at present paying from 55c to 65c for good lots of rats. Remember that I do not grade rats as to sizes. I am always in the market and getting more goods, than at any time in my career. Write to-day for my SPECIAL which is now ready for the asking.
I am yours for a square deal.
JONAS D. EMERY, Glen Elder, Kans.



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Have it tanned with the hair on for a coat, robe or rug. We pay freight both ways if four hides are sent at one time. Send for price list.
The Worthing & Alger Co., Hillsdale, Mich.

FUR ROBES, Coats and mittens at cost. Ship us your horse, cow and animal skins. We tan and manufacture to order. Samples and circulars free.
Logansport Robe and Tanning Co., Logansport, Ind.

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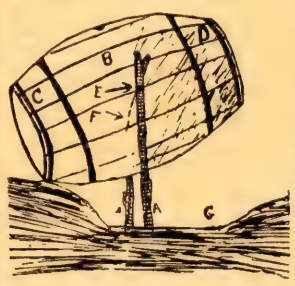
Why not make it? Jack Wood did it! He writes—"Hurry up 100 more—sold first lot in 2 days—best seller I ever saw." **Hundreds of agents coining money**—$5.50 worth of tools for the price of one. Wonderful invention—drop forged from finest steel. Nickel Plated all over. **Astonishing low price to agents**—1,200 ordered by one man. Get our grand confidential proposition quick. Sample free—don't delay—experience not needed—write at once.
THOMAS MFG. CO., 2281 Wayne St., DAYTON, OHIO

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Cooner & Fortune Co., Dept. D Indianapolis, Ind.

HOW TO CATCH A SKUNK

Dear Editor—I have been reading UP-TO-DATE FARMING for some time, and noticed that you devoted one page to the trappers, so I thought I would write a pieec about my way of catching skunks.

Find a place where the skunks live and the ground is soft. Set two stakes (a, a) in the ground about one foot, so that they are about two feet tall and about two feet apart. Next bore a hole in them (e) two or three inches the top. Then get a barrel (b) with



only 1 head and bore a hole through it a little to the (d) end, so that the skunk will have to get well inside before the barrel turns, and put a rod (f) through it and the stakes. Then dig down (g) so the barrel will swing around without hitting the ground.

To set: Put the "c" end on the ground with the "d" end gradually extending into the air. Put some fresh meat with some good skunk scent on it and you are sure of getting Mr. Skunk.

He comes along, smells the skunk bait, goes in to investigate and get the meat, and his weight turns the barrel over. Its height and weight make him a prisoner.

To kill skunk: Either shoot betweet the eyes with a 22-cal. rifle, or let him walk out and kill him with a club. I prefer to shoot. Throw some leaves and old trash and you are sure of him and he will not gnaw his leg off as in a steel trap.

L. F. TRUDO,
Bridgewater Corners, Vt.

THE FUR MARKET

Our dealers are unanimous in the statement that never before in their experience has there been such a season of high prices for raw furs. It is no uncommon thing for one or two kinds of fur to reach a high price at some stage of the season. But for practically every important animal's pelt to increase in value and continue to increase until some of them are almost double in value—that is something that happens maybe once in a life time. As one buyer says, opossums are worth as much now as skunks used to bring a few years ago, and a trapper gets more for a high-grade skunk than he did for either a Marten, Fisher or Lynx.

As a consequence, fur dealers are all advising that furs be marketed at once, for they say that these high prices cannot be maintained all the year. One dealer very aptly says that we should remember that "Furs are not a necessity—only a luxury," and when prices get exorbitant, the consumer will quit buying furs. Then, says this dealer, "prices will melt like a cake of ice in July."

These extremely high prices are hard to understand. Of course the demand is greater, but we do not believe so much as the present prices would lead one to think. On the other hand, the supply has not been lessened to any material extent. So that the conclusion one naturally comes to is that there has been some undue influence stimulating the prices.

There are two sides to this question of marketing furs. The Law of Supply and Demand and the Doctrine of Controlled Marketing apply as well to the selling of furs as to farm crops. If one-fourth the holders of fur were to take the advice of the dealers and sell their entire supply at once, the prices would drop so rapidly that the remaining holdings would bring simply ruinous prices.

The thing to do is to market gradually and systematically. Ship a few furs one month—a few the next and so on, and not allow any large accumulation to be dumped on the market. That's the way to secure profitable prices the season through, and if all trappers and buyers followed it, there would be no great fluctuations; no rise one week and drop the next, until the producer knew not where he stood, and considered the whole thing a gamble. But not enough trappers have been taught the value of this system to make it effective. So that, in all probability, they will in a few days heed the reports of fur houses, and begin to dump on the market their entire holdings. Under the circumstances it is probably just as well to sell as soon as possible. In other words: "Every fellow for himself, and the Devil take the hindmost."

While holders of furs this year are making more money than ever before—on paper—they need not figure on spending it until the money is in their pockets. A slump is due, and it will develop just as soon as the market reports now being sent out get in the hands of the trappers.



GET AN I.H.C. GASOLINE ENGINE TO WORK FOR YOU

I H. C. engines and prosperity are going hand-in-hand on thousands of farms. I. H. C. gasoline engines are the farmers' willing workers that do not ask for wages or days off or refuse to work when the weather is bad.

Just give the wheel a turn—and a whole string of your other machines will get busy. You can run half a dozen of them at once, if you like—sawing, grinding, churning, separating cream, pumping water, etc. Your simple, powerful I. H. C. gasoline engine will furnish power for them all.

One great advantage of these engines is their ever readiness. They enable you to do your hardest jobs faster, better and easier than ever you have been able to do them before.

There are hundreds of places where you would like to use a power—sometimes for just a little while, other times for a long, steady run. Many a time you can have the job done with your I. H. C. gasoline engine before you could even get ready with your old-style power. If it's a long, steady run, like a day's job of sawing wood, the engine will keep your saw going steadily hour after hour The engine will take care of itself—all you have to do is to just saw wood.

The expense is only a few cents for gasoline for the whole day's work. There's no waste of time and fuel in starting up. And all expense stops the instant the work stops.

You need an I. H. C. engine to take the short cut on your work. Figure on the matter—see how soon it will pay for itself by getting full service for you out of your other machines. The engines are simple and easy to understand. You will have no trouble in learning to operate one of them.

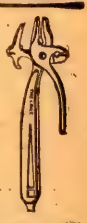
Go to our local agent and look over the line. It includes an engine for every section and every problem; of all sizes and all costs, for all farm uses—vertical and horizontal (both stationary and portable); engines on skids; sawing, pumping and spraying outfits. It also includes I. H. C. gasoline tractors—first-prize-gold-medal winners—the best all-'round farm tractor by test.

Call on our local agent in your town and talk the matter over with him. He will supply you with catalogues and all information. Or, if you prefer, address us for catalogue and full particulars.

INTERNATIONAL HARVESTER COMPANY OF AMERICA
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Chicago, U. S. A.



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JOHN P. STELLE, Associate Editor.

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RATES will be quoted on application.

Only reliable advertisers are admitted to our columns, and we guarantee that they will deal honestly with subscribers. Should they not, we will make good any loss to paid-in-advance subscribers. It is understood that this guarantee is not binding on the publisher unless you mention UP-TO-DATE FARMING when you write and you report any dissatisfaction within a month of the date of the paper.

Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

OFFICERS

President, J. A. Everitt, Indianapolis, Ind.
Vice-President, W. E. Greilick, Traverse City, Mich.
Secretary-Treasurer, I. C. Rous, Indianapolis, Indiana.

DIRECTORS

President and Vice-President, and the following: N. M. Ashby, Sebree, Ky.; J. M. Myers, Ramsey, N. J.; R. Sherod, Keosauqua, Ia.; W. H. Mitchell, Hutchinson, Kan.; L. H. Johnson, Attica, Ind.; S. W. Morris, Rochester, Minn.

UNION LABEL

THE FARMERS UNION LABEL must be made the strongest link in the chain of organized farmers, as it has been the strongest link in the chain of organized laborers. By the use of the Label an article will be recognized as the product of co-operating farmers, and those who buy farm produce can know when they are patronizing and sustaining organized efforts for improved conditions. Use the label on all the produce you market and on your letters and envelopes.

Prices will be quoted on application.

Minimum Prices, 1909 Crops

Farmers are urged to fix the below prices in their minds and communicate them to their neighbors who may not be subscribers. They are reasonable, fair and equitable, compared with prices place on other commodities, Farmers should hold for them, ask them, and not sell for less as the world must have ALL it, all those not just part of the supply and who refuse to sell below the minimum prices will get them. A year's demand must be supplied over a year instead of a years supply being dumped in a few weeks.

When the price is reached at the base market is the time to sell. The farm price will be the base price less freight and a fair commission to the handler.

WHEAT—No. 2 Red, Chicago, per bu	$ 1.25
WHEAT—No. 1 Northern, Minn., bu	1.25
CORN—No. 2 till Jan. 1, Chicago, bu	.75
CORN—No. 2 after Jan. 1, Chi., bu	.75
OATS—No. 2 White, per bu.....	.50
BARLEY—Good malting, Chicago, bu	.65
BARLEY—Good feeding, Chicago, bu	.55
RYE—Chicago, per bu.....	.80
FLAX SEED—No. 2, Chicago, per bu	1.50
HAY—No. 1 timothy, Chi., per ton..	15.00
HAY—No. 2 timothy, Chi., per ton..	14.00
HOGS—Good to choice, Chicago, per cwt. .....$7.50@	8.00
CATTLE—Good to choice steers, Chicago, per cwt. .....$6.50@	7.50
POTATOES—No. 1, Chicago, per bu (Michigan growers set 50c at their station as minimum price.)	.60
BEANS—Prime, white, Chicago, bu.	2.50
COTTON—Middling upland, per lb...	.14
COTTON—Middling gulf, per lb.....	14.50
TOBACCO—(Subject to change by	
TOBACCO—(Subject to change by the Burley, Green River and Stemming District Associations)	
—Burley tobacco, average price, per lb.	.15
—Green River dark, average price, lb..	.08
—Stemming dark, average price, per lb.	.10

If you read it in UP-TO-DATE FARMING it's so.

—o—

The Department of Agriculture of the State of New York has issued a bulletin (No. 13) on Agricultural Organizations in that State. From the "Introductory Statement" we learn that there are 14 associations for fruit; 13 for dairying; 12 for poultry; 11 for live stock; 6 for bees; besides Farmers Clubs, co-operative associations, plant breeding associations, Granges, Patrons of Industry, etc.

—o—

As each of these organizations is working independently, and no one knows how much the others have to sell nor when they will sell, the result is very little improvement over individual marketing, if, indeed, they have the marketing problems in mind at all.

—o—

Such a condition caused a commission merchant to say to the writer:

"Each year find it more difficult and more expensive to get supplies. It used to be that we made the prices; told the farmers the prices we would pay and the produce came along. But now there are local co-operative societies all over the country. Each one has its own idea when it will market and its own price, which may be reasonable or unreasonable. If reasonable our policy is to buy and if not we let them carry the stuff when it resolves itself into the question of which can hold out longer.

—o—

This commission man said: "We find it more difficult and more expensive to get supplies." In these days much is said about the increased cost of living. It was never intended that the Farmers Society of Equity should increase the cost of living to the people off of the farms, but we did predict that it would make living cheaper. If the multiplicity of organizations retards the flow of farm produce to the markets; and if they increase the expense of marketing, then such a system is not to be commended. Chief among the objects sought through organization of any class of people, or industry should be to facilitate marketing of their produce and make the roads to market straight and as free as possible of toll gates.

—o—

This is precisely what the Farmers Society of Equity will do. One organization for all the producers; for the whole country and for all the crops. One price for all the produce of the same kind and grade, varying only as the point of production is distant from the point of consumption, and **all the produce for sale at that price.** Legitimate commission men and other handlers commend this program.

—o—

Can any person imagine anything more equitable and more desirable than such a system? The only question that the reader may have in his mind is: Will it work?

We say it will work because it is working now for some crops. But don't take our word for it only. Proof can be submitted and any person who wants proof that should remove all doubt from his mind is invited to send for the new 64-page book "Farmers Industrial Freedom" and enclose 10 cents.

—o—

To avoid any mistake we request that this coupon be cut out and sent:

— — — — — COUPON — — — — —

Farmers Industrial Freedom

Farmers Society of Equity,
Indianapolis, Ind.

Enclosed is 10 cents for which send me the new 64 page book *FARMERS INDUSTRIAL FREEDOM* which explains fully the Equity System for farmers co-operation, how it will be established, how it will be operated and the benefit to be derived.

My
Name .....

My
Address .....

—o—

"Thou shalt not suffer thyself to be hoodwinked." A noted divine once suggested that as an eleventh commandment.

—o—

It's a mighty good commandment for farmers to live by in these days when there are many ignoramuses and knaves seeking to lead them in crooked ways.

—o—

This line of thought was suggested after reading the report of a convention held in Wisconsin, last December by an alleged farmers society. The report was in what is styled "the official paper" of the society.

The delegates to that meeting had, evidently heard of our plan of naming Minimum Prices. While December is pretty late to decide on prices for the 1909 crops nevertheless they tackled the job. As examples of down-right foolishness the list of minimum prices stands unchallenged. The first item in the grain list is: "Wheat per bushel, 1.05." The first item in the live stock list is: "First Prime, $8.00." What the latter means, we don't know, but it is probably explained in a motion made later by a delegate "to lay the report of the committee on Minimum Prices on live stock on the table," because, as was explained, there was only one live-stock man on the committee. Wheat has not sold as low as the price adopted—$1.05—since last August and was selling at, or around $1.25 in the Chicago market when that convention was in session.

—o—

Again we sound the warning to farmers: "Thou shalt not suffer thyself to be hoodwinked."

—o—

A local union of the Farmers Society of Equity will strengthen every farmer in the community. Standing alone it is vain for a farmer to demand anything from the organized interests all around him, but when co-operating in a local union, instead of relinquishing anything, he really puts himself in a position to enforce all his local demands, if backed by the other members. Also, through the national organization the individual farmer actually becomes as strong to accomplish what he is entitled to in equity, as the combined strength of all the millions of farmers. True, the F. S. E. has not got the million members yet, but it is going to get them very soon. There will never be a better time to join the union than **now.**

—o—

Organization is power. Organization in the Farmers Society of Equity will bring adhesiveness to farmers at last because it gives financial benefits—it will pay to keep it up. Also it will bring the social uplift which farm families need in all sections, not even omitting the boys and girls in such up-lift. In short the local union of the Farmers Society of Equity is a family affair.



THE SHIFTLESS MAN
Mother takes in washing so does sister Ann
That song was certainly written just for you
You're able and strong to help them along,
And always are going to, but never do

CLOSE FIST
You claim your households extravagant
And blame it on your poorly-dressed wife
It hurts you to part with your money-
For even the necessities of life

THE MASHER
All the maids you meet upon the street
You mash with your bleary, ogling eyes
Id give a ten dollar bill to mash your face
And jig on your stomach for exercise

D — FOOL
You're just a general all round darn fool
I cant think of any other names
It hurts me to see you used as a mark
Get busy! wake up and dust your brains!

LOVESICK GIRL
He's not a God nor a Gibson Man,
This knock kneed mollycoddle you adore
You'll wake up after you've married him-
Twould be better if you woke up before

BOSS OF THE HOUSE
You're a saint on the outside
When your family's not near:
But at home you're a demon,
Whom they all hate and fear

You look so bored that I'm afraid to buy
I'm so abashed I want to run.
I hate to disturb one so dignified
Who's only working there for fun

SALESLADY
As you wait upon the women
With disgust upon your face,
The way you snap and bark at them
One would think you owned the place

GET a set of my comic VALENTINE POST CARDS and have a lot of fun sending them to your acquaintances to remind them of their frailities and peculiarities. There are 25 cards in the set. Each one is a "Peach." They are gaudily colored and unequaled in portrayal of the different types of men, and women too, in pictures and verses. Besides the titles printed above, others are as follows:

"The Fat Man," "Fisherman," "Cornet Player," "Bow Legs," "Singer," (male), "The Wife Beater," "Henpecked Husband," "Proud Father," "Miser," "The Hypocrite," "Talking Machine Crank," "Cigarette Fiend," "The Tobacco Chewer," "Jealous Man," "The Cook," (female) "The Drunkard," "Pleasant Saleslady," and "The Dude."

MY OFFER Send 30 cents and I will send UP-TO-DATE FARMING one full year, (new or renewal) and the full set of 25 Comic Valentine Post Cards. I will also send my list of exquisite, artistic Valentine Post Cards expressing sentiments of love and affection, with samples. This is the most superb line out. Executed in 12 printings and embossed, 66 subjects to select from. Everybody delighted. I will tell you how you can get what you want for a little favor.

Use the Coupon.

J. A. EVERITT, Editor, Indianapolis, Ind.

COUPON. CUT OUT

J. A. EVERITT, Editor,
Indianapolis, Ind.

Dear Sir:—Enclosed is 30 cents. Please send UP-TO-DATE FARMING one year and 25 Comic Post Cards as offered. Also send your list and samples of other Valentine Cards.

My
Name .....*New or renewal*....

My
Address .....

We quote from the new work "Farmer's Industrial Freedom" and from that part which was a report to President Roosevelt as follows:

The Equity System gives the American farmers their first chance to rally around the standard of their prosperity—the foundation of their homes, the welfare of their families, the success of their calling—and they will embrace it with an enthusiasm and unanimity that will put every doubter to the blush and every enemy to flight.

Give the American farmers a sound business system that will make their business as certain of profits as any other business and we need not ask what of a penalty if they forsake it? I will say no penalty will be needed but the penalty of privileges abused, opportunities neglected and willful loss. What incentive will be needed to get them to rally to the Equity standard? The incentive of benefits, of just reward for toil, of an honorable place among men, of a happy home established and a family well provided for—the incentive of honest and honorable prosperity. The farmer who would not embrace such an opportunity to secure his industrial freedom and independence and co-operate with his brother farmers for all the good things he, in Equity is entitled to, is hardly fit to be an American citizen. The lessons and successes of the past point to a full accomplishment of the great purposes of the Equity System in the near future.

—o—

The local union of the F. S. E. is the unit of farmers organization. The whole super-structure is built on the local unions. The local union is truly the farmers' workshop and as is wrought in the local unions, so is, or may be, agriculture throughout the nation.

—o—

One issue of this paper won't convert the nation of farmers and establish the Equity System, but we'll keep on printing and circulating others; one convert to the Farmers Society of Equity won't solve farmers' problems, but we'll go on converting more; one local union won't amount to much in a national movement for steady profitable prices, but we'll keep on organizing more. We've got to keep on working and growing. Let every convert be a preacher and teacher of the gospel of Equity and an organizer to build the Equity System.

CROP REPORTING

The Farmers Society of Equity is establishing a system to **direct the marketing of all farm crops** to secure fair and profitable prices for all the producers thereof, and guarantee equitable prices to the consumers. Also to maintain such prices steadily through the year.

Do you understand? The Equity System contemplates a fair price to be placed on each farm crop when produced; that price to be paid for the first pound, basket, crate, bushel, bale or ton of the crop marketed and for all of it except such advances as may be necessary to cover cost of storing, insurance and shrinkage, as the season advances.

In doing this we have no thought to suspend the law of supply and demand, but it is our intention to make this old law really operative and thus suspend corners, freeze-outs and the other tricks of the exploiters of farm crops. The fair and profitable price will not be named until the crop is produced. Then, with the supply known, and the demand known, it will be just as practicable to decide on a fair value for the products of the farms as it is for the products of factories and mines.

But you ask how will we know the

The Handiest Engine Ever Built!



Fits Any Pump

Pat. June 15, 1909. Others applied for.

Portable Power for Running Pumps and All Kinds of Light Machinery. Veritable Wonder!

The Fuller & Johnson Farm Pump Engine meets the widespread demand for Portable Power for Farms at the lowest possible cost. It is absolutely unique in design—the **handiest engine built.**

It comes to the user complete in itself—**"everything but the gasoline."** Ready for action, **anywhere!** Requires no cement foundation—no anchor posts—no pump jack—no arms—no belts!

Attaches to any regular Force Pump by means of four common nuts. Carries its own standard or base. **Has a pulley for running light machinery.** The cost for fuel seldom exceeds **half a cent a day.** No other engine at any price will give you such Power for less.

Fuller & Johnson Farm Pump Engine

Dealers! Write for the Agency

The Perfect Air Cooled Engine

Here at last is an air-cooled engine **without fans or cooling attachments!** A revolution in this type of gasoline engines, as fully explained in our book. **Cannot freeze or overheat!** Made of the same high grade of materials and equalin quality of workmanship to the best automobile engines.

Tremendous Pumping Capacity

The Farm Pump Engine will pump any ordinary well for as many hours per day as desired, at 35 strokes per minute, and on the ten-inch stroke, as follows:

Depth to Water or actual Lift of Water	Diameter of Pump Cylinder	Water Pumped or Delivered Per Hour
600 feet	2 inch	280 gallons
525 feet	2¼ inch	360 gallons
450 feet	2½ inch	440 gallons
300 feet	3 inch	640 gallons
225 feet	3½ inch	870 gallons
175 feet	4 inch	1140 gallons

By using one of the shorter strokes you can pump a deeper well, or raise the water a greater distance, with a given size cylinder, than that in table above.

By connecting on a piece of common pipe for extra air chamber, **it will throw a stream as high as the house, giving valuable fire protection.** It supplies power for running any machine that is ordinarily operated by hand-power.

Send Coupon or Postal for Catalog

We want every reader of this paper to know what a great little engine we have built. Our catalog—gladly sent free—tells the exact facts. Send for it at once. (10)

COUPON FOR CATALOG

Please send Catalog of Farm Pump Engine to address below:

(Name)

(Town)

(State)

(Dealer's Name)

717

Fuller & Johnson Mfg. Co.

717 Villa Ave. Madison, Wis.

Established 1840

A GARDEN OF ROSES FOR YOU



Eight Exquisite Ever-Blooming Rose Bushes Without Cost Six Artistic Colored Post Cards Given Free to Every Person Answering This Advertisement in good faith.

WE ARE GIVING EIGHT BEAUTIFUL, HARDY EVER-BLOOMING ROSE BUSHES—Each bush strong and well rooted, EIGHT DIFFERENT VARIETIES. The root of each plant is wrapped in moss and all are packed together with utmost care in a neat package. We guarantee safe delivery and satisfaction. I want everyone who reads this advertisement to earn this collection of Rose Bushes. You can literally earn this set of Eight Elegant Bushes in from ten to twenty minutes time.

THE ENTIRE COLLECTION OF EIGHT ROSE BUSHES SENT FREE, all charges prepaid, for a few minutes work. Most liberal offer ever made. These Eight Rose Bushes represent Eight of the most delightful varieties ever produced. They are grown in the LARGEST PRODUCERS OF ROSES IN THE WORLD, and each variety is a marvel of fragrance, grace and beauty. The colors vary from deepest red to pure, snowy white. The collection is unquestionably one of the most delightful and satisfactory collections of roses ever offered to the public. I am fortunate in being able to offer these splendid plants and everyone who receives them will be more than delighted. Each plant is guaranteed to bloom this season. We also guarantee safe delivery.

We are also going to give away THOUSANDS OF PIECES OF GENUINE WM. ROGERS & SON AA SILVERWARE, such as CREAM LADLES, 3-PIECE CHILD'S SETS, TEASPOONS, BUTTER KNIVES, SUGAR SHELLS and other attractive table articles. These will be given ABSOLUTELY FREE by my GREAT NEW PLAN. Remember I am literally going to give away thousands of pieces of the very best Silver Plated Ware to my agents who are earning other premiums. WRITE TO-DAY for full particulars of my offer showing how to get these Eight Exquisite Rose Bushes and giving full particulars of my great Silverware Offer.

FREE. Every person answering this advertisement in good faith will receive absolutely FREE SIX ARTISTIC COLORED POST CARDS. I GIVE THESE SIX POST CARDS to show that I mean business. To every person filling out this coupon I will also send a list of elegant premiums such as—Elegant Gold-Filled Rings, Fine Jewelry, Genuine Rogers AA Silverware, Fancy Work Outfits, Lace Curtains, Leather Goods, Toilet Articles, Table Linens, Sofa Pillows, Scissors, Cutlery, Watches, Fountain Pens, Hand Bags, Magic Darners, Kitchenware, and many other handsome and useful articles, nearly all of them shipped with all charges prepaid to any part of the United States for a very little pleasant work in your spare time. DON'T DELAY—WRITE AT ONCE—address

SIGN THE COUPON NOW!

FREE COUPON

M. A. Johnson, Mgr., Dept. U., Warren, Pa.

Dear Sir:—I would like to secure the Eight Beautiful Rose Bushes. Please send me full particulars.

Name .....

Full Address .....

BEST EARLY POTATO ON EARTH, For Home Use and Market



From Photograph of Mr. Saum's Potatoes

Farmers, market gardeners, truckers and all others who grow potatoes for home or market will prize this potato ahead of all others on account of its *extreme earliness, good table qualities, fine size and shape, great productiveness and splendid keeping properties.* Just think of one variety of potatoes combining all of these qualities *in high degrees.*. We positively assert and have abundant and undoubted proofs that EARLY SIX WEEKS MARKET POTATOES do make good-sized merchantable tubers *in six weeks from planting.*

This potato can be depended upon for such results every time *if planted when the growing season has arrived, and the weather is favorable.* With unfavorable weather they will, of course, require longer. The Potatoes cook fine and dry from the time they are large enough until late spring. Size is medium, skin light flesh color, shape like illustration. They are perfect beauties, heavy and sure yielders.

READ THESE LETTERS

"I send you today by freight some Six-Weeks Potatoes. They were dug last night and this morning and grew in forty-three days. They were grown from one-eyed seed. I have just begun farming on my own land, and am not fixed yet for pushing a crop of early potatoes. They were covered with a breaking plow and given very ordinary treatment. Think I can beat it next season. Several people who saw them were astonished. I expect to exhibit at our county fair." JOHN L. SAUM.

Planted the Early Six-Weeks Market Potato May 3. They grew fine, and we had new potatoes cooked June 20. They are the earliest I ever saw.

DANIEL DONOVAN, Carroll Co., Tenn.

We have had much experience with this potato and are prepared to state that owing to their quick growth, escaping the drought, bugs, blight, etc., and extra yielding pro-

We have the genuine seed. Price very low, considering how fine this potato is.

Size for use in six weeks. Ripen in ten weeks. One year yielded 420 bushels per acre; next year, 380 bushels per acre; 2 years later, 600 bushels per acre. Get the genuine seed pensities, they make larger averages for the ordinary potato grower than late varieties that often times are left to take their chances against unfavorable influences. This potato, *strange to relate, keeps sound, solid and fresh late into the spring, equal to any late potato that we ever saw.*

By mail, postpaid: 1 pound, 30c; 4 pounds, $1.00. *By freight or express, not prepaid: from us.. We introduced and named this potato.*
1 peck, 75c; one-half bushel, $1.25; 1 bushel, $2.00; 1 barrel $5.00.

Catalog Free. Send Postal For It.

O. K. SEED STORE, Dept. A, INDIANAPOLIS, IND.

DEAFNESS CURED
By New Discovery



"I have demonstrated that deafness can be cured."—Dr. Guy Clifford Powell.

The secret of how to use the mysterious and invisible nature forces for the cure of Deafness and Head Noises has at last been discovered by the famous Physician-Scientist, DR. GUY CLIFFORD POWELL. Deafness and Head Noises disappear as if by magic under the use of this new and wonderful discovery. He will send all who suffer from Deafness and Head Noises full information how they can be cured, absolutely free, no matter how long they have been deaf, or what caused their deafness. This marvelous Treatment is so simple, natural and certain that you will wonder why it was not discovered before. Investigators are astonished and cured patients themselves marvel at the quick results. Any deaf person can have full information how to be cured quickly and cured to stay cured at home without investing a cent. Write today to Dr. Guy Clifford Powell, 5887 Bank Building, Peoria, Ill., and get full information of this new and wonderful discovery, absolutely free

BROOKS' NEW CURE FOR RUPTURE



Brooks' Appliance. New discovery. Wonderful. No obnoxious springs or pads. Automatic Air Cushions. Binds and draws the broken parts together as you would a broken limb. No salves. No lymphol. No lies. Durable, cheap. Pat. Sept. 10, '01.
SENT ON TRIAL.
CATALOGUE FREE.
C. E. BROOKS, 2486 Brooks Bldg., Marshall, Mich.

INDIGESTION My remedy will cure you just as it has THOUSANDS of others. If you are a sufferer from indigestion or any stomach trouble write for a free sample of FOWLER'S INDIGESTION AND STOMACH POWDER, a totally different remedy, that is harmless, yet wonderfully effective. At all druggists or by mail direct. $1.00 per box, 6 boxes $5.00. Address
Dept U. F., HARRY L. FOWLER
301 E. Houston St., San Antonio, Texas

BED WETTING
Inability to hold urine during the night or day, in old or young, is not a habit but a dangerous disease. Our HARMLESS Pastilles are guaranteed to cure it.
D. H. ROWAN DRUG CO., Dept 10 London, Ont., Canada. A 25c. Pkge. FREE.

ALL CHRONIC DISEASES CURED
permanently by mail. $5.00 per month. Send full description of your case. 38 years experience.
Dr. E. Christiansen, Room 100, Jackson Blvd., Chicago

The Best TOUR of EUROPE and the PASSION PLAY
FOR THE LEAST MONEY

THERE are people who will read this advertisement who have long desired to see Europe and the Passion Play, but have relinquished that hope because of the cost. To *a limited number* of these the editors of World's Events extend an invitation to join one of two parties which they are forming to sail on June 29th from Montreal. The parties are to be made up of congenial friends; they have *first class* steamer and hotel *accommodations everywhere* and *the best reservations at Oberammergau and the Passion Play.* Experienced conductors, university trained men and women, will have charge of the parties: the European arrangements are in charge of men who have had sixteen years experience in the work.

The members of one party will pay $485 and the other $295. The quality is the same in both cases but the first trip is longer. Do not confuse these tours with the common cheap trip that is arranged to sell, not to satisfy. Our tours are cheap only in price. If you are a congenial person we will be glad to prove to you that nobody else offers so much in European travel for so little.

Reservations are made in the order of application; delay is the only thing you have to fear.

COUPON
The Editors, WORLD'S EVENTS,
LaSalle Ave. and Ohio St., Chicago
Please send me full information about your tours, with the understanding that this request does not bind me in any way.
NAME _____
STREET _____
CITY _____
STATE _____

supply and how will we know the demand? How will these be measured?

The demand is known now. We know approximately at least, how much has been produced of each farm crop in the past and we know that none of it was destroyed, therefore we know it was consumed. Thus we arrive at the measure of demand. In short, consumption has reached the point where it is practically impossible for this country to produce an over supply of any staple crop.

The fair and profitable price we seek will be based on the **average** crop—the crop produced by the average farmer on the average farm. He is entitled to a fair wage on his investment and a fair profit. To do equity to him and to all others, including consumers a small crop must bring a higher price per bushel, or pound than a large one and, vice versa, it will not be fair to the consumer if the price of the large crop be not reduced. Hence we can see how important it is that the actual production, or the supply be known, of each crop.

At present the most reliable crop report is by the government, but that is frequently questioned and in numerous instances it has apparently been proven in error. Perhaps the strongest proof of its unreliability is found in comparing it with the census report. The following table shows:

(All crops are for the year 1899.)

Crop.	Agriculture	Census.
Barley, bu.	73,381,563	119,634,877
Corn, bu.	2,078,143,933	2,666,440,279
Oats, bu.	796,177,713	943,389,375
Wheat, bu.	547,303,846	658,534,252
Potatoes, bu. ..	228,783,232	273,328,207
Tobacco, lbs. ..	868,112,865	868,163,275
Cotton, bales ..	9,459,935	9,434,345
Hay, tons	56,655,756	79,251,946

This table deserves more than a casual glance. Of course, as long as prices were influenced by daily reports of the weather; or the monthly forecasts and guesses by the Department of Agriculture; or by the market manipulators, members of boards of trade, it did not matter much whether the final reports were correct or not.

But when the farmers intend to get down to "brass tacks," they must deal with facts, not guesses. Imagine, if you please, a manufacturer who, knowing that the demand for his machine was 5,000 would start his factory to work to make the 5,000, but unbeknown to himself there would be produced 6,000 machines and this would continue year after year. Don't you think he would face a serious problem in maintaining prices? Well, agriculture is not an exception. If we know there is a demand for 750,000,000 bushels of wheat at $1.25 per bushel and 850,000,000 bushels are produced this year, 1910, it would be fatal to the growers marketing plans to assume that there were only 750,000,000 bushels, or to accept a false estimate that puts the yield too low. Also it would be unfair to the consumers to charge $1.25 per bushel for the greater crop when, in fairness and equity, it would be worth only $1.10½ per bushel.

From the preceding we deduce this corollary:

To secure the definite working of the law of supply and demand three things are absolutely essential: (1) To know the demand; (2) to know the supply, and (3) to control the supply and let it out only when the demand seeks it.

Every well regulated business system is built around these principles. Farming must not be an exception.

We have said the demand is known. Then the next thing to do is to know the supply. The only place to get the supply is from the farmers themselves, not from one farmer in a county, or township, but from many farmers in each community, and ultimately from all of them.

To accomplish this and get a more nearly correct report of the yields of the 1910 crops than was ever secured before the Farmers Society of Equity and UP-TO-DATE FARMING are inaugurating a crop reporting system as we have already announced in December 15th, (1909) number. Also this report will give very much more valuable information that will be necessary in establishing the Equity System of marketing and carrying out its plans. We will ask for four reports in a year: February 1st., May 1st, August 1st, and November 1st. We will not print blanks in the paper for reports but will send cards to each subscriber to be filled out and returned.

The cards are going out now. All subscribers may not be supplied before February 1st, this time, but all will receive them soon thereafter. One of the things called for in the February first report is the supply of farm crops on hand. That information will be needed to estimate the prices for the balance of the year. The knowledge, or a close estimate, of the number of bushels of potatoes on hand, February 1st, of the 1909 crop will be of much value to holders of potatoes.

We want each subscriber to this paper and each member of the Farmers Society of Equity to make a prompt and careful report when the card is received. By plans that we have working out now we hope late reports, August and November, will be sufficiently complete and accurate that they can be taken as the basis for naming equitable prices for the 1910 crops. Also we want each person, who believes that it is absolutely necessary to know the supply and demand to decide on equitable prices, to interest himself in organizing a local union at his shipping station so the supply may be controlled and let out only as the demand needs it.

We unhesitatingly say that the local unions are necessary to the Equity System and every producer of farm crops who wants the system established may as well decide now that he will make the move to establish one or connect with one if already established. The cost is an inconsiderable sum —$1.00 per member, a large part of which remains in the local union treasury.

If you have not already sent a coupon for free instructions, do it now. Here is one. Cut it out now and send at once.

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the Farmers Society of Equity, at .....
..... State .....
which is my shipping station. Also instructions how to build and own our local union meeting house, cold storage house, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be received from this course.

NAME .....

ADDRESS .....



As the Kansas Farmer Sees It

WANTED—Men to learn barber trade $75.00 monthly paid graduates. Few weeks completes. Wonderful demand for barbers. Tools given, board provided. Some money earned before completing. Write for free catalogue. Moler System at Colleges, 349 East Washington Street, Indianapolis, Ind.

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Home Treatment Association, Dept. A, Indianapolis, Ind.

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How we put dollars into other people's pockets. One man's orders were $1,267.20 one month (July), profit $827.20. One agent in Mississippi made $26 in three hours. Harry Finkle, of Kansas, finds no one refuses to buy; all to whom he shows sample take at least two or three pairs. Remarkable records, aren't they? What others have done you can do, too. You can easily sell 100 fasteners a day, making $25 a day clear profit.

These are actual, paid-up customers whose orders we can show you right in our office. We can give the full name and post office address of any man or woman, if you doubt.

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We want one good representative in every community. Hundreds are writing us daily. Full particulars free. Send only your name and address on a postal. We will tell you how to make more money than you have ever had in your life before. Write us at once.

COONER & FORTUNE CO., Dept. D., INDIANAPOLIS, IND.

Snapping Ferry's Handy Hame Fastener. The hames are securely locked.

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This picture shows actual size of Ferry's Handy Hame Fastener

Nothing to get out of order. The harder the pull the tighter it holds

SHOULD GRAIN GROWERS ORGANIZE?

There are some people who claim that the time has passed when it is necessary for grain growers to organize to secure profitable prices. They point to the good prices prevailing for all kinds of grain and say that nothing better should be asked.

Let us see whether or not there remains a valid reason why grain growers should get together. Referring to our record of market reports we find that cash wheat was $1.03 to $1.09 in Chicago during the months of August and September and it is now $1.25, an average difference of 19 cents a bushel.

We claim that the 1909 crop was worth $1.25 per bushel and this is the minimum price this paper has carried since the crop was made. Also we assume that the farmers who supplied the market during August and September would have been willing to receive $1.25 if they could have got it. The reason they did not get it was because enough dumped then to supply the demand at the lower prices offered.

We believe a conservative estimate of the portion of the crop marketed at the low prices is one-third of the total, or 245,000,000 bushels. If 19 cents a bushel was lost on this part it is $46,550,000.

But we must consider another side of the question. Assuming that one third of all the wheat growers dumped their crops and supplied the early demand, then the other two thirds, those who had determined to control their marketing, were deprived of a market for any part of their crops, unless they would have become dumpers too. and thus the prices would have been forced much lower. This is an important factor and a strong argument. Why, even those farmers who are now receiving the Equity price should see that the Farmers Society of Equity is organized in all wheat growing sections. It is the only way to make control farmers out of dumpers.

There are three chief reasons for dumping: (1) immediate need of money, (2) lack of storage and (3) lack of faith that the future price will be better.

Local unions of the F. S. of E. will provide storage for crops, and stored crops become the very best security for a loan of money. Thus the local unions will remove the necessity of dumping. When grain growers are organized and the problems of storage facilities and credit are solved, then there will be so few dumpers that they cannot possibly supply the hungry demand that comes at the beginning of the season and the agreed price will be paid for the first of the crop as it has been paid after the dumpers season was over. Then there will be no necessity for faith in future prices because the prices will be steady all the time.

Thus we see there is a reason why the wheat growers should organize to save to the dumpers the $46,550,000 they threw away this season, and this is an example of what has been occurring every year; there is a reason why wheat growers should organize in the fact that a great majority of them are deprived of a market for any of their crops until a lot of foolish dumpers have put a club in the hands of the farmers' exploiters which is held over the controlling farmers for weeks or months after the inordinate dumping has ceased, and there is a reason in the great fact that when organized and co-operating the price will be steady the year around and speculation in wheat will be ended forever.

And what we have said of the wheat farmers may be said with equal truth of the corn growers, oats raisers, stockmen, cotton planters, etc. There are as many reasons now as there ever were in favor of grain growers organizing. With the education that has gone ahead and the wonderful examples of the benefits of co-operation, the Equity plan, the only practical one, should be accepted now more generally than ever before. Organize your local union.

THE GRAIN GROWERS PROBLEM AN EASY ONE

From a work just issued by the Farmers Society of Equity; title, "Farmers Industrial Freedom" we take the following:

To aid the reader to understand the problem of controlling the three chief grain crops to keep the prices under the control of the producers, I submit the following table and diagrams:

	Yield, bu.	Shipped out of countries where grown
Wheat, 1908	664,602,000	367,607,000
Corn, 1908	2,592,320,000	467,675,000
Oats, 1908	754,443,000	210,923,000

	Vis. Supply Dec. 19, '09
Wheat, 1908	63,000,000
Corn, 1908	10,028,000
Oats, 1908	15,431,000

The below diagrams will serve even better than the table to show the relation of the parts of the crops shipped out of the counties where produced and the visible supplies, to the whole crops:

WHEAT, 1908

Crop, 664,602,000 bu.

Shipped out of counties, 367,607,000 bu.

Visible supply, 63,000,000 bu.

CORN, 1908

Crop, 2,592,320,000 bu.

Shipped out of counties, 467,675,000 bu.

Visible supply, 10,028,000 bu.

OATS, 1908

Crop, 754,443,000 bu.

Shipped out of counties, 210,923,000 bu.

Visible supply, 15,431,000 bu.

The power that controls the shipping parts of the crops, as represented by the lines above, will be the power to solve the farmers' problems of profitable prices. The balance is consumed at home and never crosses the county line. Or, an organization that will direct the marketing of farm crops to prevent a large visible supply will guarantee the prices farmers should have.

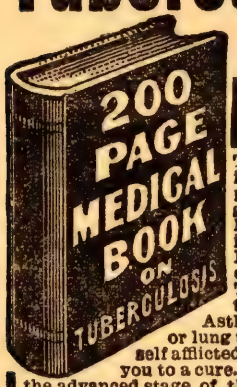
The reader should study the above table and diagram carefully and he will be impressed with the extreme simplicity of the Farmers Society of Equity movement. Instead of requiring all the producers of any crop in the organization, a very small proportion of them can control enough crops to obliterate the visible supply, or keep it very low, and thus the farmers will be absolute the masters of the price, because they will have all of the supply.

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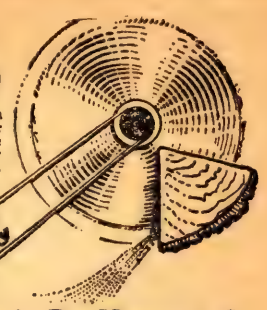
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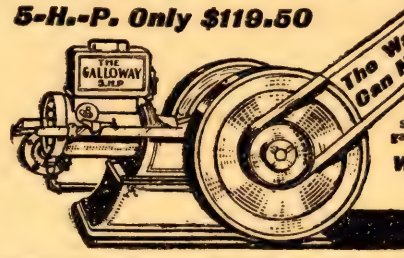
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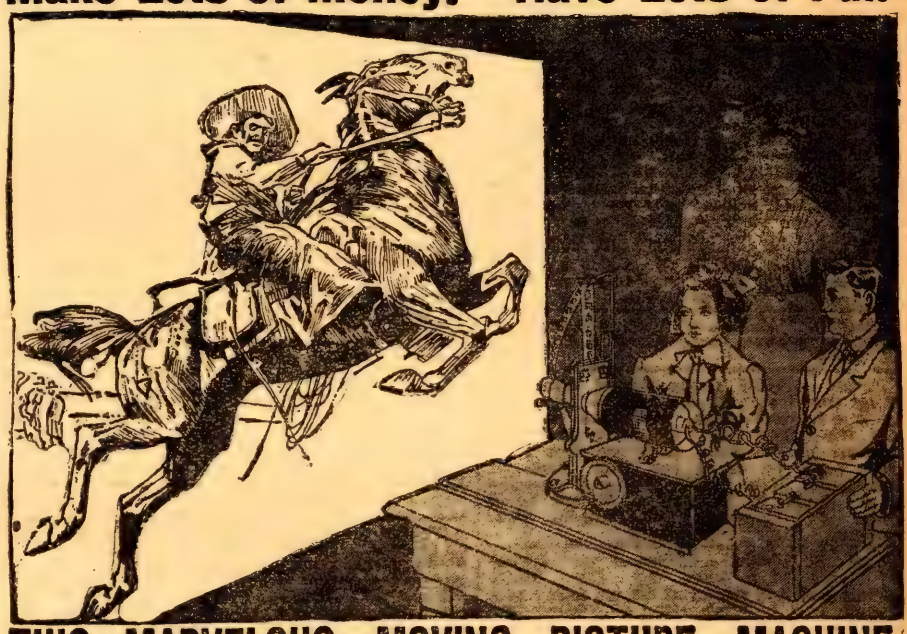


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RATES—The Cost for Advertising Under This Head is 5c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

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AGENTS: 100 per cent. profit. Monkey-wrench, plumbers plyers, with 13 other tools combined. Most wonderful combination of tools ever made. Lightning seller. Sample free for examination. Forshee Co., B. 1365 Dayton, Ohio.

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WOMENS SHOES, made to your measure. Factory to you prepaid, prices right, particulars for stamp. F. A. Crocker, Lincoln Center, Maine.

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Miscellaneous

BROTHER: Accidentally discovered root will cure tobacco habit and indigestion. Gladly send particulars. G. T. Stokes, Mohawk, Florida.

NI-KO FOR TOBACCO HABIT—Send your name only. Safe, sure, permanent. King Ni-Ko U., Wichita, Kansas.



This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

QUESTION. *Hereafter our local wants to meet with closed doors and admit none but members. Please advise us if we are allowed to do this?—Mike Minnaugh, Empire, Mich.*

ANSWER. You are permitted to do so. You evidently are not using the "Great Lessons" of our Society or this would be clear to you. We have sent the first lesson to you. Please study it carefully.

Q. *The farmers of this section all want to organize in the F. S. E. but they want to know what will become of the Stemming District Ass'n. which has been our medium for marketing our tobacco, if they do.—I. G. Vance, Slaughterville, Ky.*

A. The Stemming District Assn. could continue to perform its functions. Your farmers organized in local unions of the F. S. E. would be in a far better condition to have your wishes carried out through the district marketing union. The same will be true of the Green River district, the Burley district and others. Let the growers complete their organizing into locals and then all such districts can be federated in one department and vastly better, and more definite results obtained.

Q. *I see by your issue of January 15th that you recommend each local union to own its own meeting house. Also you say that around it shall be built elevators, and a cold storage house. Now why could we not have a slaughter house or packing plant. In this way much of the expense of transporting our hogs and cattle to the large cities and then the meat back to our own locality can be cut out.—J. W. Smith, Chillicothe, O.*

A. You can. There are thousands of communities where a cold storage plant will be needed for fruit, vegetables, butter and eggs. By giving it more capacity there can be added on a killing and packing plant for poultry, pork, beef, etc. We believe the solution of the prblem of high prices of meat, butter, eggs, vegetables, fruit, etc., must wait on the farmers getting together in local unions of the F. S. E.

Q. *Our local union feels the need of a program. We think it would be a most excellent idea at this time to prepare and print a local union program in each number of our paper, or at least once a month. Questions of interest to all the farmers in the country could thus be proposed and discussed all over the country at the same time. The benefit would be beyond estimate. Also, with a little extra effort on the part of our editors or possibly by employing a new editor, entertaining features can be arranged and published in our official paper which will make all our meetings interesting and entertaining. I know you are working hard to make a good paper and you are succeeding, but there can be no harm in suggesting the local union program now when there is so much interest aroused in our work.—J. H., East Jordan, Mich.*

A. We have had the local union program in mind and you will find it a permanent feature of UP-TO-DATE FARMING very soon.

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 55, Sta. F, Toledo, Ohio.

THE RIGHT PRICE

FOR YOU TO PAY FOR A CREAM SEPARATOR



$14.85 AND UPWARD

lies somewhere between $14.85, which is all we ask for our New Butterfly Jr., and $44.85, our factory-to-farm price on our big Jumbo, size 5 1-2 New Butterfly machine. Some one of the five sizes we make is just exactly suited to your purpose, whether you keep one cow or fifty. **A POSTAL CARD OR LETTER addressed to us today will bring you our big 1910 New Butterfly Cream Separator Catalog at once.** Then you can select the size and style you want and we will ship it direct from our Chicago factory to your farm, where you can give it **30 days' trial.** If you don't find the New Butterfly the best built, most improved, **lightest running, easiest cleaning, closest skimming** and most convenient cream separator you ever saw at any price, send it back when the 30 days are up and get your money back in full. **Write today for our 1910 catalog.** Address

Albaugh-Dover Co., 2172 Marshall Blvd., Chicago, Ill.

A New Butterfly Cream Separator will pay for itself in just a few months. After that it will make $10.00 to $15.00 a year extra profit on each cow you own. Five other sizes. Prices from $14.85 up to $44.85.

Write now for 1910 Catalog.

SEED CORN

Farmers Interest White Dent



One bushel of Farmers Interest White Dent Corn. This corn wins Frst Prize wherever shown. It has taken more prizes at World's Fairs, International and National Expositions, State and other Fairs and Shows than all other varieties combined.



It is to the interest of every farmer to plant this the GREATEST CORN EVER PRODUCED. That may seem a broad assertion but we **mean every word** of it, and every word is absolutely true. At every corn show of importance ever held in this country also Worlds Fair Exposition at Paris in 1900 this corn has been awarded more Prizes than any variety exhibited. **That is history,** not merely our word.

Farmers Interest White Dent is one of the grandest, most valuable varieties of corn the country ever produced. It is the result of years of careful breeding and selection by a man who has won the honor of the title of **Corn King of America,** and made a county in Indiana the banner corn county of the world.

It rarely fails to **increase the corn yield** on any farm by a large percent., wherever introduced.

A strong growing variety, sending its roots out in all directions in search of food. Withstands drought well, stalks are strong, close jointed and leafy. Produce **mammoth ears** 18 to 20 rows. Grains are very deep, ranging from ½ to ¾ of an inch in length in middle of the ear. Color purewhite; firm and good texture; cob medium size. The ears frequently shell 1 pound of corn each. Cobs from 1 bushel of ears weigh from 8 to 12 lbs.

Every farmer knows that it pays to plant good seed. Every farmer should know that there is a **great difference in seed.** If by changing seed to a better variety you can increase the yield **10 bushels per acre,** it means the payment of the rental of the land over and above the regular crop.

An increase of **15 to 25 bushels per acre** is not at all impossible.

The cost to get the maximum crops in corn is very trifling indeed. A bushel of seed will plant about 8 acres. The plowing, pulverizing, fertilizing, planting and cultivating are exactly the same, whether you raise 30 bushels or over 100 bushels per acre. The only extra labor is in harvesting, a task that should be willingly performed.

Farmers Interest White Dent Corn is adapted for almost every locality where corn is produced.

Below we give a few of the many unsolicited testimonials we have received. No other corn ever received such praise.

We do not give full address, as thus we would direct trade to our customers of former years, to our loss. The letters are all genuine.

KENTUCKY—I planted a field of your *Farmers' Interest Corn* last spring and the result was a revelation to me and my neighbors, when we found we could send to Indiana and get seed corn that excelled our native varieties. We thought we grew good corn, but your Farmers' Interest is yielding 110 to 120 bus. per acre, and surpasses the best of other Corn by 25 to 30 bushels per acre.

C. W. W., Breckenridge Co., Ky.

INDIANA—Farmers' Interest Corn is yielding 95 to 100 bus. per acre. Four of my neighbors, who are also growing it, are all getting over 100 bus. per acre. These are not exaggerated reports, but actual facts.

C. A. B., Indiana.

I started this morning for your place with two of the finest loads of Corn that ever were put on wagons, but it began raining and we turned back. Will wait for finer weather. The Farmers' Interest Corn is yielding 150 to 120 bus. per acre all over my fields. Nothing like it ever seen in this section before.

L. B. C., Indiana.

I grew 50 acres of Farmers' Interest Corn, and the yield over the whole field was 90 to 105 bus. per acre, a total of 4,948 bus. on the field. It matured very early, ears mammoth size. It surpassed all others.

C. A. Helm, Indiana.

OHIO—A heavy cropper on medium soil. Best I ever raised.—Wm. Lancey, Preble Co., O.

ILLINOIS—I planted a field of your Farmers' Interest Corn last spring and it has astonished us farmers all through the season in rapid, strong growth. I topped it when ripe and such a field of mammoth corn ears I never saw before. It is good for over 100 bus. per acre. I don't think there can be a better.

W. P. R., St. Clair Co., Ill.

KANSAS—In a visit to my brother in Kansas, he showed me a field of your Farmers Interest Corn. I must say I never saw its equal in Indiana, nor on the way to Kansas and return. The ears were arms of giants. He wrote me the yield was 114 bus. peracre. I would have guessed it at more, if it was possible for more corn to grow on an acre.—A. M. T., Knox Co., Ind.

TENNESSEE—Farmers' Interest Corn is the largest, heaviest and best White Corn I ever grew. On a test 50 ears made a bushel. The cobs weighed 12 pounds.—J. W., Maury Co., Tenn.

MISSOURI—Having seen a crop of F. I. Corn grown from one ear, I write you early to save me four bushels of it for seed, and quote your price. It is the greatest corn I ever saw.—A. R., Miller Co., Mo.

IOWA—28 acres of F. I. Corn yielded 2,430 bus. of the finest White Corn grown in this section.—C. F. Pearson, ——Co., Iowa.

MARYLAND—Farmers' Interest Corn has taken our section by storm. It is the greatest ever seen here.—S. B. O., Prince George Co., Maryland.

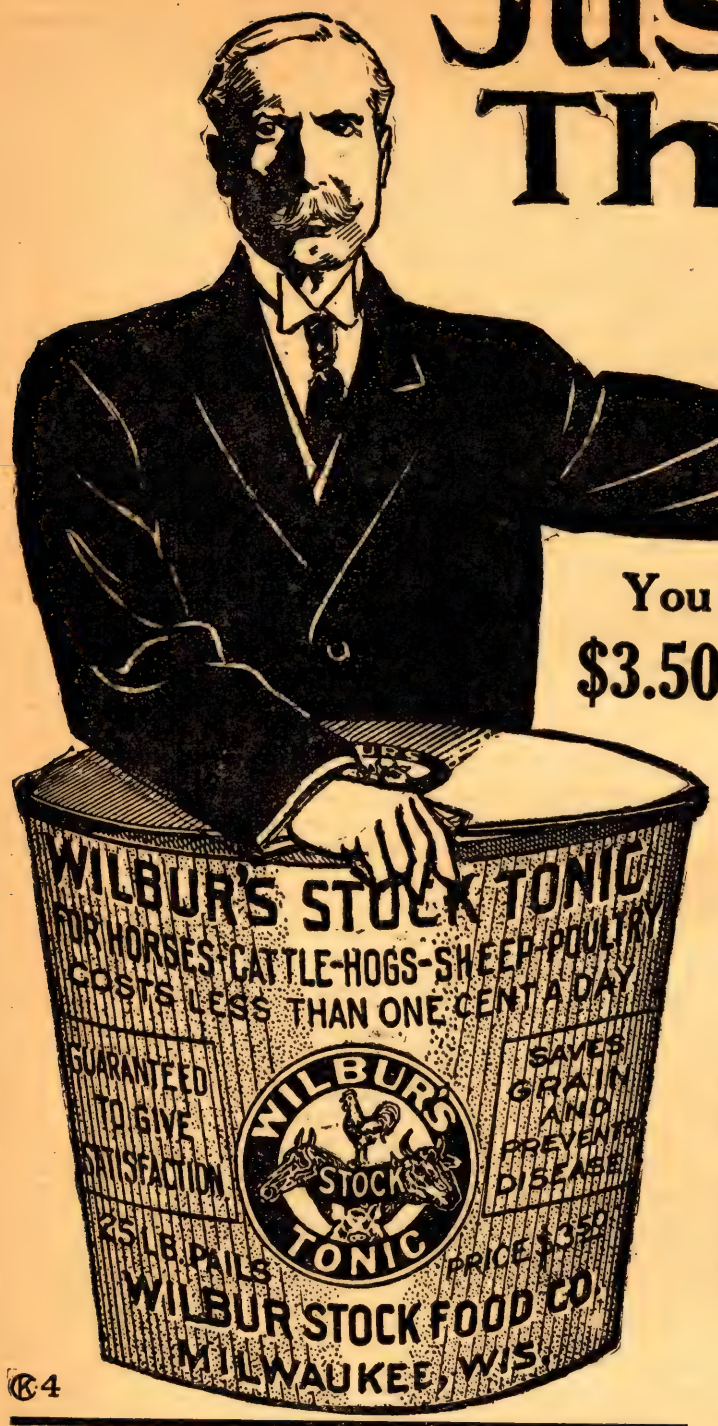
Please sit down and figure how much it will cost you per acre to plant this seed Corn. Don't be frightened because we ask more than market price for seed. This corn represents an enormous amount of care in growth, selection and preparation that is never included in market corn, nor in much corn that is sold for seed. One bushel will plant about eight acres, and those eight acres should yield you many bushels extra.

Remember, good seed with strong vitality is *crop insurance.* It pays big to get good seed. The little extra cost is made up to you many fold in the *extra yield.* Besides this corn will be in great demand among your neighbors for seed. Be first. Send $1.00, if you do not want to invest more, and plant two acres this year. It will give you seed to use and sell next year. Our seed catalog is free.

Price of Farmers' Interest Corn—By mail, postpaid, sample ear, 30c; large pkt., 10c; qt., 50c; 2 1-2 qts., $1.00. By freight or express, not prepaid, 1-4 bu., $1.00; 1-2 bu., $1.50; 1 bu., $2.50; per bag of 2 1-2 bu., $5.00. Bags free. One peck will plant two acres. Address all orders to

O. K. SEED STORE
Dept. A.
Indianapolis, Ind.

Just Send Me This Coupon



You Get This $3.50 Pail Free

F. P. WILBUR, President,
WILBUR STOCK FOOD CO.,
677 Huron St., Milwaukee, Wis.

Gentlemen:—Please send me the 25-lb. PAIL OF WILBUR'S STOCK TONIC ABSOLUTELY FREE, also the BEAUTIFUL 8-COLOR PICTURE and the particulars of your $1000 CASH PRIZE CONTEST.

Name_____

PostOffice_____

Freight Station_____ State_____

Kindly fill in here the number of live stock you own:

_____ Hogs _____ Cattle _____ Horses

That's all you have to do to get a free 25-lb. pail of

WILBUR'S STOCK TONIC

I am making this offer to send Free a $3.50 pail of my Tonic, where I have no agent, **simply to prove to you that it is the greatest live stock conditioner known.**

I have already proven it to more than 500,000 stockmen and farmers during the past 25 years. I could show you thousands of their letters which could leave no doubt in the mind of any reasonable person that the regular use of my Tonic has saved and is saving thousands of dollars to stock owners every year by preventing disease and increasing production. But it would take you longer to read the letters than to write me for a Free Pail. Besides you will be **better** satisfied that the Tonic will **save money for you** when you have tried it on your own stock.

What Wilbur's Stock Tonic Is

It is not a medicine compounded to cure any specific disease, but a **Tonic that restores and maintains perfect conditions of health and thereby prevents all diseases of live stock.**

It increases the power of digestion and assimilation, and, therefore, production. With the dairy cow, the milk-producing feed is ALL appropriated and converted into milk. With horses, it regulates the bowels, purifies the blood, maintains perfect condition, and fills the animals with vitality and activity. For brood mares in foal or suckling colts, it has no equal. With fattening animals, either cattle or hogs, it sharpens the appetite, increases digestive power, and enables the system to convert all the food into fat. Vitality, vigor, and therefore egg production, are increased by feeding a very little to fowls regularly

Send for FREE Pail Now

I don't know how to make a more fair and liberal offer or one that will better prove the value of my Tonic. You get a full $3.50 pail, 25 lbs., 1240 feeds, FREE. All it will cost you is the 2-cent stamp for mailing the coupon. Is it worth it to you? If so, mail the coupon now. I will attend to the matter promptly.

Think What Could be Done With that Extra $500

It would build a comfortable addition to the house. It would furnish your home completely. It would build a granary or an extension to the barns. It would give a young person a business education or go a long way towards completing a college course.

It would pay for a trip to Europe or an extensive journey through America.

If it were required for no other use, it would start or increase a bank account very nicely.

You will surely decide that it is worth trying for when you consider that the trial costs nothing. Send coupon at once—today.

Extra Special Premium

Remember—You get this beautiful work of art, done in 8 colors, **in addition to your free pail**, if you send in the coupon at once—whether you enter the $1000 Prize Contest or not.



PABST FAMOUS SIX-HORSE TEAM OF WORLD'S CHAMPION PERCHERONS

Awarded 10 First Prizes, World's Fair, St. Louis, 1904 This Magnificent 8 Color Picture, Size 15 x 31, Sent Free, if You Mail the Coupon Today.

I Will Also Give Away $1000.00 In Gold In Cash Prizes

I have deposited with the First National Bank of Milwaukee, **One Thousand Dollars ($1000.00) in Gold**, to be given away in prizes in the most original prize contest ever conducted.

This $1000.00 prize contest is open to every person who writes me the information asked for in the coupon, or who fills out and sends me the coupon. The details of the contest will be sent at once.

Remember, it requires no special knowledge to compete for this great prize. Anyone in the family can compete—Father, Mother, Boy or Girl—or all of them together.

It will require only a few minutes work in the evening or at any spare time. The cash prizes are:

1	FIRST PRIZE -	$500.00 Cash
1	Second Prize -	100.00 Cash
1	Third Prize - -	50.00 Cash
4	Prizes, $25. each -	100.00 Cash
10	Prizes, 10. each -	100.00 Cash
10	Prizes, 5. each -	50.00 Cash
100	Prizes, 1. each -	100.00 Cash
127	Prizes	$1000.00 Cash

F. P. Wilbur President

WILBUR STOCK FOOD CO., 677 Huron St., Milwaukee, Wis.

C4

CIRCULATION OF THIS ISSUE IS 135,000 COPIES

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, FEBRUARY 15, 1910 | Number 4

POULTRY NUMBER



AN IDEAL LIGHT BRAHMA ROOSTER

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD
It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.
400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

Coupons Pouring In!

Everybody Buying at the New Cut Prices



Your Coupon Is in the Lower Left Hand Corner of This Page. Fill It Out NOW!

We believe the Economy Chief is the best and most satisfactory cream separator on the market today, regardless of price. We believe it to be the best in design, the closest skimming, the easiest running, the quickest cleaning; in short, the greatest separator value that money can buy. We have absolute confidence in the Economy Chief and we want every owner of cows to share this confidence with us. We want everyone interested in buying a cream separator to have an opportunity to find out for himself which is the best machine, which is THE SEPARATOR TO BUY.

Here Is the Challenge Offer That Is Bringing in the Orders by Every Mail

Deposit in your local bank the price of the Economy Chief Cream Separator you want to try, or

Send us a letter of reference from your banker stating that you are a reliable person; then

We will ship to you at once, freight prepaid, the separator you order, with the understanding that you are to set it up and try it on your farm for sixty days. Give it the hardest kind of a test; if possible try it alongside some other well known standard make, such as the Empire, United States or De Laval. Compare our machine in actual operation with any other. Note the amount of cream you get from each. Compare ease of running, time consumed in cleaning, and make any other comparisons you can think of. Never mind about the price; what you want from a cream separator is CREAM. If any other machine selling even as high as $85.00 or $90.00 will do better work, will skim closer, will give better satisfaction than our Economy Chief at $42.50, our advice to you is, buy the other machine and send ours back.

When you have finished your sixty-day test, if you are perfectly satisfied that you have the best separator on the market, write us saying that you want to keep the machine, and we will send you a bill for your separator and the freight charges we paid on it.

If at the end of sixty days you are not satisfied that the Economy Chief is the world's best separator, you don't need to even tell us the reason for your dissatisfaction unless you wish to; just drop us a line saying you don't want the machine. We will then send you a return address card to tack on the box **and we will not only return all money sent us, but also pay you for your time and trouble in setting up the machine, repacking it and hauling back to the station. We don't want you to lose one penny in trying out the Economy Chief for sixty days.**

Reduced Prices for 1910

WE RECOMMEND THE BIG 600-POUND SIZE

No. 23T51 New 1910 Economy Chief. Capacity, 250 to 300 pounds, or 120 to 145 quarts per hour. Price reduced to..... **$27.90**

No. 23T52 New 1910 Economy Chief. Capacity, 350 to 400 pounds, or 170 to 195 quarts per hour. Price reduced to..... **33.80**

No. 23T54 New 1910 Economy Chief. Capacity, 600 pounds, or about 290 quarts per hour. Price reduced to..... **42.50**

If you want to send cash with your order, as most of our customers do, you won't lose any of the benefit of the above CHALLENGE OFFER, for if at the end of sixty days you decide you don't want the machine, if you think after a sixty days' trial you can get along just as well without a separator, or if you have seen a separator in operation giving better results than the Economy Chief, just send it back at our expense, tell us how much we owe you for freight charges, hauling from and to the station, setting up and repacking, and we will promptly send you every cent of the purchase price, plus your bill.

This Is Our Challenge Offer and Our Whole Cream Separator Proposition!

We think our Economy Chief Separator is the best machine in the world. We want to sell you an Economy Chief if you think the same as we do, not otherwise, and we make this challenge offer to give you a chance to find out all about the Economy Chief **at our expense** and to prove our confidence in our own machine.

IF THE MAKER OF ANY OTHER CREAM SEPARATOR IN THE WORLD BELIEVES IN HIS MACHINE AS WE BELIEVE IN OURS, LET HIM MAKE YOU THE SAME PROPOSITION WE DO.

That's all—Now fill out the Coupon!

FILL OUT THIS SPECIAL ORDER BLANK

☐ **CASH WITH ORDER.** If you are enclosing the full price, simply write the amount in this square.

☐ **CASH IN BANK.** You can deposit the purchase price of the separator with your local banker, to be held by him for a month while you are trying it. If you follow this plan make an X mark in this square and enclose your certificate of deposit signed by your banker.

☐ **BANK REFERENCE.** If you prefer not to send us the money, or to hold it in the bank subject to our order, make an X mark in this square and enclose a letter of reference signed by your banker, telling us that you are a responsible property owner.

☐ **FREE DAIRY GUIDE.** Nearly everybody has a copy of our big General Catalog or our Cream Separator Catalog, but if you have not and want more information before ordering, make an X mark in this space.

Name _____

Postoffice _____ *State* _____

Shipping Point _____ *State* _____

R. F. D. No. _____ *P. O. Box No.* _____ *Street and No.* _____

Send me by freight on trial _____ *Economy Chief Cream Separator*

Size _____ *Price* _____

Up-to-Date Farming (Please write plainly and carefully.)

SEARS, ROEBUCK AND CO. CHICAGO

UP-TO-DATE FARMING

Representing the Organized or Co-operating Farmers of America

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

Re-entered as a Semi-Monthly publication as second-class matter, January 20, 1908, at the Post-office at Indianapolis, Ind., under the act of Congress of March 3, 1879.

Volume XIII | INDIANAPOLIS, INDIANA, FEBRUARY 15, 1910 | Number 4

Gold And High Prices

A Speck in the Heavens

DOES it seem anything strange to the general reader that the banking institutions are almost unanimously agreed that the inordinate increase in the cost of living is due to the great increase in the supply of gold since the Yukon poured its unheralded treasures into the lap of the people? The leaders of these institutions are taking pains to collect the statistics, and parade before the public great columns of figures to show the gold increase, and arguing from them that the increase of gold is responsible for the increased cost of living.

But that is only part of the truth. There has been a great increase in the supply of gold, and as gold is the metal of standard money, and may be coined into dollars as fast as it is brought to the mint, the more gold is brought from the mines the more money there may be; and the more money there is the greater is the ability to pay for things, and the higher are prices sure to be. This was not the dominant argument a few years ago, but it is conceded now.

But there is another cause for the increased cost of living aside from this. Monopolies are stronger than they ever before were in this country. Almost every article of human necessity is in the grasp of a trust. A food product is scarcely harvested when the farmers rush it into glutted markets, and it goes into the elevator trust, the milling trust, or some of the various food combines. Scarcely is a feed lot ready to yield its stores when, like the soil products, the animals go through over supplied markets into the packing houses. So it is with cotton and wool, and almost every conceivable article of necessity. These institutions know nothing of the law of supply and demand. They make the prices according to the law of Greed, and thus controlling the supply, greed prompts them to advance the price. And they do it. This must account for at least a portion, we believe for a greater portion, of the increased cost of living.

But the financial institutions ignore the second cause, and attribute it all to the increased gold supply. Have they a motive? They may have. Possibly more than one. Many of them are identified with the trusts and share in the gains, and hence would prefer that the trusts should not be disturbed in their methods of getting gains.

But we must seek the principal motive of the financiers elsewhere. When they wish to stop or restrict a thing, their first effort is to make it unpopular. High prices are unpopular with those who buy, and everybody must buy. The farmer's only source of income is the sale of his products. High prices are popular with him when he sells. But the things he needs but does not produce he must buy, and high prices when he buys are unpopular even with him. It is so with every other class. Each must buy and each must pay the price. High prices are, therefore, unpopular with all. Convince the people that the unpopular high prices are caused by the increased supply of gold entering into our money supply, and the increased gold supply will itself become unpopular, and it will be easy to induce a demand to go up from the people for its restriction, or for the withholding of the increase from our money supply.

The reader can scarcely fail to remember the fight that was made a few years ago for gold to be our only standard money metal; that this was demanded because, as was alleged, gold alone had a stable value, a value unchangeable; that no matter how much there was or might be, a gold dollar was a dollar; no more, no less; and that it must always remain so.

The people generally may not know that previous to the demonetization of silver, the financiers of the world had their plans almost completed for the demonetization of gold, and the making of silver the only standard, absolute money metal. Just then, however, the adventurous spirit begotten by our great civil war, led thousands of our discharged soldiers and others of our restless, energetic people, into our western territories, where they laid bare the mountains of silver that had slept there from creation. The increase of silver production almost immediately overleaped the increase of gold from the newly opened African fields, and silver was demonetized instead of gold.

Why demonetize the most abundant metal? The financial institutions must get possession of the metal money before they can control it. The paper money is their own, and has always been, excepting only a comparatively small amount of government paper these institutions always opposed. Hence the smaller the amount of metal money the easier it is to control the money of the country, and through it to control the industries, the business, the commerce and enterprises of the people. That is the goal aimed at, and it is even now almost reached.

Watch the coming discussion of the Central Bank proposition. See if there does not crop out within the next few months, hints too broad to be misunderstood, that there is danger in the increased and increasing supply of gold. Note if these hints do not come from the same source that is now so busy with statistics to prove that too much gold is the cause of the increased cost of living.

Well, what of it? Gold is good money. These same financial institutions of the world secured its adoption as the only and single money standard. The world is practically at peace and satisfied with it. If this good money is on the increase, an abundance of money makes prosperity. Welcome every ounce of it that can be torn from the rocks where Creation put it, or that can be washed from the yellow sands of the Yukon and its tributaries; and let it go out among the people to stimulate industry and better reward labor. If the increased money supply enables demand to offer too much for what is for sale, let values readjust themselves, which they will do automatically on a higher level, if selfish influences and obstructions, the trusts, be held in check or removed.

This readjustment first of all must apply to labor, and bring fixed salaries to the new equitable basis. The increased cost of living, except that which is made by the artificial power of arbitrary greed, is a blessing instead of a curse. The readjustment to which it must lead will not bring accumulated wealth down. The rich will have precisely as many dollars as now. But it will bring the common people higher up. The general level will be raised. Prosperity will be greater, industry more active, enterprises more stupendous, development more rapid, and common comforts vastly multiplied.

Gold is money. Let it increase. Bring the wages of labor and the prices of products to Equity's level, and Providence can then smile at the result.

There may be an increase in the demand. The high price of meats and other food products would naturally suggest that; but the prices that have for sometime prevailed forbid much increase in consumption. Hence we cannot find justification for prevalent prices in a greater demand.

The authority quoted above declares "the policy of the cold storage men in holding back their product to force prices even higher," is responsible for the abnormal prices. There are over 11,000,000 dozen more eggs in cold storage now, it is declared, than there was a year ago. To put it in exact figures, on the authority of the National Warehousemen's association, there was in cold storage in the United States January 1, 1910, 18,077,160 dozen eggs, whereas on January 1, 1909, there were only 7,849,230 dozen. If the production of eggs in 1909 was no more than in 1908, we here have nearly eleven million dozen more that went on the market during 1908 that were held off the market in 1909. This, added to the increased profits charged by handlers, clearly paves the way to the high prices.

No, this is not the Equity plan. The Equity plan is to hold when the markets are glutted and prices have been driven below the level; hold as a means of self-defense and protection. When any product is forced below an equitable level the producers suffer, and are robbed of a fair reward for their labor; and when any product is forced above an equitable level the consumers suffer, and are likewise robbed of a fair reward for their labor by being compelled to draw too heavily upon their income to pay for what they must buy.

When any of these inordinate conditions arise we believe it the duty of the government, which is but the whole people acting, to interpose to prevent the few from wronging or robbing the many. There may, after all, have to be a national system of price making, or, at least, of price regulation.

About The Price of Eggs

THE price of eggs has been high all winter. Of this we suppse we should not complain, for it makes that much better the income of poultry raisers; and of that we are glad. But UP-TO-DATE FARMING stands for equitable prices rather than for high prices. We want prices to be fair, in proportion to the general level of values, and in accordance with the law of supply and demand. When the supply is so short as to make prices too high, we would increase the supply so as to bring the price to an equitable standard; when the price is too low we would reduce the supply to the same end.

The price of eggs has been above the general level, and that is too high. Why has it been so? Because of a lack of supply? Because of a greater demand? Or because of some artificial condition? One of these three must be responsible for it.

Local egg dealers, we are told by the press, insist that the high prices are not due to a shortage of eggs. We can readily believe that, for poultry raising and egg production are so universal that the supply could not materially diminish in even a comparatively short period; and the records of shipments show that there is an increase rather than a diminution.

THE FATE OF SPECULATION

IT is reported that E. G. Scales of Dallas, Texas, who, it is reported began business two years ago on a borrowed capital of $200, and cleaned up within that time, ten million dollars in option deals in cotton, very recently lost half that much in similar deals.

Such is very likely to be the history of such transactions—ten millions made in two years; five millions lost in a day! Such dealers are not working money earners; they are gambling money winners, and the game is as apt to go against them as in their favor.

And what is the transaction worth to mankind? It is not producing anything to supply a demand, nor is it buying to satisfy a need. Whether much or little is produced does not affect such deals. The seller may not own a pound of cotton, and the buyer may not need a pound, and may not desire a pound—may not expect the delivery of a pound. One party says cotton willl be worth so much at a specified future time, and the other says it will not. One then proposes to buy at the price named a stated number of bales, and the other agrees to sell. The cotton itself is not necessary. If at the time of delivery the price is higher the buyer wins and the seller pays him the difference in price on the quantity bought. If the price is lower at the time of delivery, the seller wins and the buyer pays him the difference in price on the quantity bought.

It is in no sense a deal in cotton; it is simply a bet on the future price. And yet it is made to determine the price of real cotton. It is staking the earnings or income of the cotton planter, and the producers of all other crops that enter into such deals, on a game of chance played by parties whose stake is high prices or low, and who care no more for the producer or user of the commodity than they do for the machine that ticks off the result.

Such transactions are a disgrace to civilization.

Mr. J. A. Everitt, Editor.
Allow me to congratulate you upon the excellent showing Up-to-Date Farming is making. I feel like thousands of others that your fight is my fight.
—W. E. Greilick

Good And Bad

PRESIDENT Taft confirms his opposition to the well known board of trade or exchange dealing in "futures;" that is, buying, or pretending to buy, commodities at an assumed price for future delivery, with the privilege or "option" on the part of either to pay the other in money the gain the real price at the time of delivery would make to the successful gambler. For it is nothing less than a game of chance, and it is not permitted to play itself out alone. Each party exerts every power at his command to bring the price of the real commodity up or down to his winning side. No goods changes hands. More may be bought and sold, on paper, than exists in all the world. It bids defiance to the law of supply and demand, and fixes an artificial and arbitrary price on whatever is involved. It thus makes the producer's income and the consumer's cost of living depend upon the success or failure of conscienceless gamblers!

Few Presidents of the United States have expressed themselves against this inexcusable system, and we are glad President Taft is brave enough to do so. With his powerful support we see no reason why a measure should not be devised by congress and enacted into law that will effectively prohibit such dealing, and save the people from the uncertainty of price which results from it.

But the President urges congress to authorize the Secretary of the Interior to issue government bonds to the amount of thirty million dollars to be expended in the so-called reclamation service of the West. There are serious charges against Mr. Taft's Secretary of the Interior, and his acts, at the time of this writing, are the subject of congressional investigation. Such a recommendation at this time,—is to say the least, not in very good taste on the part of the President of the United States. Were a man being tried before a jury for misappropriation of funds, and the trial judge should make a public order placing in the hands of the accused vast sums of public money, the said judge would not only be open to criticism but he would be showing contempt for his own court.

Besides the issue of government bonds for any purpose is a doubtful expedient, and it should not be resorted to until an extreme emergency justifies it. Bonds of the government are as worthless as blurred paper so far as financially aiding the government in any of its undertakings or necessities is concerned, until some person, government or institution has exchanged money for them. Then the bonds become a debt the whole people are pledged to pay, not principal alone but interest to the money furnisher. And this obligation is not on our present citizenship alone; it follows on down the generations.

During the nation's great struggle for existence bonds were issued, justifiable if ever, and they very soon became, and large sums of them still remain, the property of those who have ever since dictated the financial legislation of the country. Would the bonds proposed by Mr. Taft have any less of evil? On the contrary, they would be absorbed and controlled by the very same influence, and would serve only to strengthen the power that is already stronger than the government itself. It is little paliation to say that the enterprises upon which the proceeds were expended would ultimately pay the bonds. That could be said, with perhaps more truth, of the Standard Oil, the Steel Corporation, the Sugar Trust, or the Harvester Combine; and yet no one proposes to issue bonds to buy up these concerns.

And why should the whole people be involved in a thirty million dollar debt for the benefit of a certain section of the country, however important the work proposed? Scarcely a state in the Union but has land that needs reclaiming. Some is covered with accumulated sands and barren Some is rich, very rich, but overflowed and untillable. How much of the thirty millions will Mr. Ballinger devote to the reclamation of these lands? Ask the various state and county drainage districts how much government aid they have received.

We do not wish to be narrow or small, but one portion of our people are just as good as another, and, at least until the national treasury can show a surplus instead of a deficit, the President might do well to go a little slow in urging the issue of government bonds.

One More Step Mr. Garner

THE following quoted paragraph is credited to Congressman Garner of Texas:

"The American farmer is rapidly coming into his rightful heritage. Away back in slavery times the farmer was a king. Agricultural pursuits were the common lot of every man in the early days of this republic. With the growth of towns and cities, however, this condition changed utterly. The farmer of a few years ago was more or less a subject of derision—and I am a farmer. The multiplicity of trolley lines, the improvement of the telephone system in rural communities, the spread of rural delivery and the construction of good roads are restoring the dignity of the farmer of today. The influx into towns and cities has resulted in congestion, and many eyes are being turned farmward, especially since the farmer is waxing wealthy while many of those who left the country for what they believed to be the greater opportunities of the city are doing only, indifferently well."

We know little of the kingship the days of slavery brought the farmer, but we have been both an observer of and a partaker in his struggles since those days, and even during a portion of them, but "outside the lines," and we scarcely ever knew a time when he was less a king than now.

The farmer produces abundantly, and he does it as easily perhaps as ever he did. The whole effort of the educating world has been directed to that end—to the end that production may be increased. And we are ready to concede even further, that there is as good a demand for his products as ever before, and that, in the main, he receives for them measurably good prices.

But a king controls his business; the farmers do not. Powers somewhere behind the scenes, unknown to himself and ignored by the world, control the farmer's business. He may plow when he pleases; he may plant when he pleases; he may cultivate as he pleases, barring multitudinous and persistent advice entirely beyond and outside of his own ranks, and he may gather as he pleases. But when it comes to selling he is at the mercy of the world beyond himself. When he plants and cultivates he can hope with some degree of confidence for a yield; when he harvests and sells he is an obsequious suppliant at the throne of speculation—at the feet of those who buy, not to use, but to sell and get gain. He dares not say a word as to price. That is fixed entirely beyond him, without so much as consulting his interests or asking his leave. The price is made, and he must accept it or not sell; and failing to sell he gets no reward for his labor other than to exist, for his reward comes with the sale of his surplus.

And the farmer must buy as well as sell, and this time he must pay the price. Once more he is not consulted. Price is something too sacred for the man who tills the soil. He must not meddle with the price. That is fixed for him at both ends of the deal. Whether the farmer sells or buys someone else makes the price. Who is the king?

But we do not ask that the farmer be made a king. We demand that he be given the priviliges of an independent citizen—a worker whose products the world must have or perish. We do not claim for him the right to price the goods he buys; that is a right that belongs to the party that owns the goods and sells. And that right also belongs to the farmer. HE OWNS THE GOODS HE SELLS, and he has a right to price them as the owners of other goods do.

When a coterie of gamblers meet in the trade pits of the cities, and in the fury of an exciting game, decide what the farmer must accept for his year's toil, do not call that farmer a king.

CITY FARMERS TO BE TAUGHT

THERE are some city farmers, men of means who own farms and have them cultivated by tenants or hired men. Gov. Hadley of Missouri, thinks these men ought to know more about farming, and so far as his state is concerned, he proposes to have them taught. He urges them to form city farmers clubs, and agrees to have competent lecturers to address the clubs. College men, it is said, will tell the city farmers "how to double the capacity of their lands."

There it is again? Double the productive capacity. Who is hungry? Is there not enough produced? What demand is not supplied at reasonable prices, so far as the prices paid the farmers is concerned? We are not talking of the prices charged consumers. That is a very different matter. Consumers pay not what farmers get but what the trusts and specualtors charge. Increasing, even doubling, the production would not affect these trust made prices. Why, then, not teach city farmers, and all others, how to get the most out of farming, and make it a more certain business, rather than the one-sided matter of increasing production? Teach both production and marketing, Gov. Hadley, and benefit both producers and users. If enough is produced now, doubling the quantity will divide the price and keep its value the same. Educate the city farmers. We have no objection to that. But teach them the WHOLE THING.

TOO MUCH PROFITS

EARNINGS are honorable, and whoever can accumulate a fortune by fair and equitable reward, deserves the consideration and commendation of his fellow-men. But whoever absorbs or draws from the earnings of others more than a fair and equitable reward, takes what cannot in justice belong to him, and does the work of a thief.

According to the papers, it has been announced from the office of J. P. Morgan & Co., that the net earnings of the International Harvester Company for 1909, after paying expenses and setting aside reserves, is fourteen million dollars! That is too much. The legitimate source of income for the company is the sale of its manufactured articles, largely farm machinery, and that $14,000,000 represents what those articles sold for above all cost of production. If that income of fourteen million dollars is too much, then the profits on the articles sold were too great, and that means that the laborers who made them were not paid enough, and those who purchased them for use were forced to pay too high a price. Equity demands that the excess of profits should be divided between those who made the articles and the farmers who bought them. There needs a readjustment all along the line. Farmers should start the agitation and keep it up.

WANT AT LEAST HALF

RECENT action of the Chicago Dairy Protective Association gives an idea of how the price grows as the commodity passes from the producer to the consumer. Milk is an important article of food in Chicago, and the price has been forced up as has that of so many articles of prime necessity. But we ask, as we have asked in so many cases, who gets the increase?

The dairymen came forward with the plea that thew ought to be paid as much as half the price charged the consumers of the product. That is, for the capital invested in the cows, the cost of the feed the cows consume, the expense of sheltering, caring for and milking them, the required careful handling of the milk and taking it to market, they are entitled to as much as are those who merely buy the milk from the dairymen and distribute it to the consumers, even though that may include bottling. It certainly looks like the claim of the dairymen is just. The fact that those who produce the milk do not get half the price that is charged for it, removes the responsibility for high prices from the shoulders of the farmers.

It does more. It proves that the handlers and distributors are over paid. And this applies to other products as well as to milk. It means that whatever revolt is necessary against high prices, is justly against the handlers rather than the producers, and it is a warning that farmers should be more firmly united to protect their own interests.

SPEAKING WITH AUTHORITY

MR Lewis, President of the Mine Workers, is reported to have said a substantial increase of wages of the mine workers is the only basis upon which industrial peace can be established in the mining industry after the first of next April. That is none of our fight, and we are concerned in it only as a citizen of a common country, all of whom are more or less affected by general disturbances. But Mr. Lewis speaks authoritatively. He has power behind him.

What of the farmers scattered all oxer this big country? They are pigmies so far as self-protection is concerned. Prices may fall or prices may rise; not one dares say what shall or shall not be. Yet they produce and own all the people eat or wear!

COSTLY NAVY

The naval expenditures for 1910 are expected to be $136,000,000, and for 1911 $114,000,000; but there is plenty of time between now and 1911 for "emergencies" to arise that may largely increase the 1911 estimate. The people pay this money. What do they receive for it?

Bethel, Ky., Dec. 16, '09.

Editor UP-TO-DATE FARMING:

I consider that in your paper there shines forth a Grandeur and Greatness found in no other. It demonstrates truth so plainly and points our way so clearly that ages will not obliterate its teachings.

C. M. RAWLINGS.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



THE power of the people demanding the same thing at the same time has been shown in the agitation for lower prices and the boycot, directed principally against meat. Partly or wholly as the result of this campaign prices of nearly all farm products are lower. Of course the season has arrived for lower prices no eggs, and the much lower price of potatoes must be attributed to the large supply and caution on the part of buyers. Potatoes are the cheapest food, unless handlers charge exhorbitant profits, and the consumption should be excessively large because of the boycot on meat. The figures below will tell the market story.

Crop prospects continue good. Farmers are making preparations to sow record breaking crops this spring and we may look for all past records to be eclipsed, the weather not preventing. One feature particularly in favor of big crops is the fact that many farmers are putting part of their profits into fertilizers. This is a good sign and we predict as it becomes more general the per acre yield will increase, also the total yield, as it has not done in forty years of teaching how to cultivate better.

VISIBLE SUPPLIES

The visible supply of wheat in the United States, on January 29, 1910, by Bradstreets reports was 35,277,000 bushels. That was 592,000 bushels more than two weeks before, 20,402,000 bushels less than a year before and 14,403,000 bushels less than two years before.

The visible supply of corn on the same date was 15,824,000 bushels. That was 339,000 bushels more than two weeks before, 2,627,000 bushels more than a year before and 3,603,000 bushels more than two weeks before.

The visible supply of oats on the same date was 13,047,000 bushels. That was 1,242,000 bushels less than two weeks before, 2,593,000 bushels less than a year before and 1,041,000 bushels less than two years before.

The visible supply of barley on the same date was 4,061,000 bushels. That was 309,000 bushels less than two weeks before, 2,586,000 bushels less than a year before and 2,822,000 bushels less than two years before.

The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	Jan.28 1910	Jan.21 1910	Jan. 29 1909
American	3,683,608	3,752,625	4,583,308
Other kinds	1,213,000	1,216,000	1,086,000
Total	4,896,608	4,968,625	5,669,308

Price of cotton, New York, Feb. 7; Middling upland 15.20c; middling gulf, 15.45c. The price is ½c per lb. higher than two weeks ago.

PRICE OF CASH GRAIN

The closing prices of cash grain in the principal markets on Feb. 7, with comparisons, were as follows:

CHICAGO—Wheat, No. 2 red, $1.22@1.23, two weeks before, $1.25@1.26½. Corn, No. 2, 63@65½c, two weeks before, 67@67½c. Oats, No. 2, 46½@47¾c, two weeks before, 50c.

ST. LOUIS—Wheat, No. 2 red, $1.26@1.27, two weeks before, $1.29@1.30. Corn, No. 2, 63@65c, two weeks before, 66c. Oats, No. 2, 45½œ46c, two weeks before, 49c.

KANSAS CITY—Wheat, No. 2 red, $1.23@1.30, two weeks before, $1.22@1.26. Corn, No. 2, 62@63½c, two weeks before, 66½@67½c. Oats, No. 2 white, 47@49c, two weeks before, 47½@50½c.

CINCINNATI—Wheat, No. 2 red, $1.25@1.27, two weeks before, $1.25@1.28. Corn, No. 3, 65@65½c, two weeks before, No. 2, 68@68½c. Oats, No. 2 white, 48½@49c.

NEW YORK—Wheat, No. 2 red, $1.28@1.29, two weeks before, $1.30. Corn, No. 2, 71¾c@72¼c, two weeks before, 75@75½c. Oats, No. 2 white, 52½@55c, two weeks before, 53@55½c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.11@1.12½c, two weeks before, $1.13½@1.14½. No. 1 Northern spring, $1.11@1.12, two weeks before, $1.15⅛@1.16⅛.

FUTURE PRICES OF GRAIN

Chicago futures closed Feb. 7 as follows:

WHEAT—May, $1.09⅞; July, $1.00¾; Sept., 96¾. About 2c decline in two weeks.

CORN—May, 65½c; July, 65½c; Sept., 65½c. From 2 to 3 cents decline since two weeks before.

OATS—May, 46c; July, 43⅛c; Sept., 40½c. About 2c decline from two weeks before.

CHICAGO PRODUCE MARKET, Feb. 7.

POTATOES——The market was weak. Trade was very light. Local demand has been slow and does not show any improvement. Outside trade just fair. The business transacted today was over a range of 38 to 40 cents, about 2c lower than Saturday. Receipts were very heavy and there was some little accumulation from former arrivals.

Arrivals by cars, with comparisons, follow:

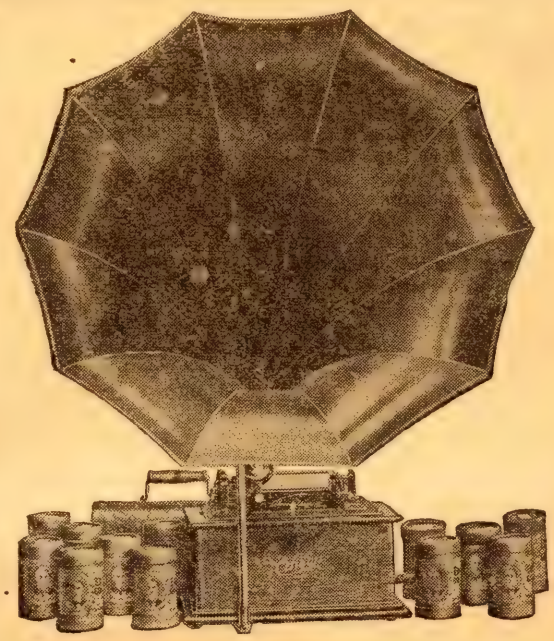
	This week	Last week	Last year
Monday	168	96	100

Arrivals for preceding week, 331 cars. The preceding week, 319 cars. A year before 182 cars.

Prices—Minnesota, Wisconsin or Michigan, good to fancy white, 38@40c; fair 34@36c. The price was 8 to 10 cents lower than two weeks before.

HAY—Demand fair and prices steady. Arrivals moderate. Price—choice timothy, $18.50@19.00; No. 2 timothy, $16.00@16.50. The price is 50c a ton lower than two weeks before.

BEANS—A steady to firm market was reported. Offerings are not large and there was a good steady trade. Price—Choice hand-picked Pea per bu., $2.23; prime, $2.18; mediums, about the same as Pea beans; Red Kidneys, poor to choice, $2.80@3.19. The price is 3c a bushel higher on Pea beans and about 20c a bushel higher on Red Kidneys than two weeks before.



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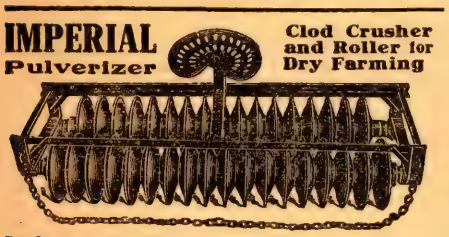
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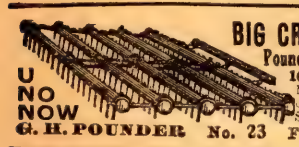
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UP-TO-DATE FARMING

Production and Marketing

THE COW PEA AS A FARM CROP

The cow-pea is a native of India, and it is supposed to have been introduced into this country from England in 1734 by the Oglethorpe colonies in Georgia. This is no doubt why it came to be considered a southern crop, and how it got the name by which it is generally known, Southern Cow-Pea. In fact, until only a few years ago, it was thought it could not be grown successfully except in the Southern States. It is now, however, recognized as a profitable crop North as well as South. The following article is largely based on a Bulletin issued by the Kansas Agricultural College Experiment Station.

The cow-pea is an annual leguminous plant, arying in form and habit of growth with the variety, season, soil, moisture and cultural conditions. As a rule, it has a trailing habit of growth, vining profusely during the season of heavy rainfall. The blossoms are of various colors, ranging from white to purple, while the pods are usually straw-colored when ripe, and vary in length from five inches to over a foot. The pods do not ripen at the same time. With many varieties there are periods of several weeks when all stages of growth, from blossoms to mature peas, may be found upon the same vine. This makes seed saving a rather difficult matter. Unless picked by hand, a process considered too slow by most farmers, but not more tedious than gathering small fruits, nor very much more so than picking cotton, and at prevailing prices perhaps as remuneratie. To cut for seed the time must be selected when the largest number of pods are mature, and before those first ripened have begun to shell out.

The root development is deep for annual. There is a well developed tap-root, with a number of large branch roots which start from the upper part of the top-root, spread horizontally for a short distance and then turn downward. These roots go deep into the subsoil, enabling the plant to draw freely upon the plant-food and moisture below the reach of shallower rooted crops. Upon the numerous small roots in the upper surface of the soil are found the nodules or tubercles which contain the nitrogen-gathering bacteria. These nodules are always present upon the roots of well-developed plants, and they enable the plants to make use of the nitrogen of the atmosphere, and to leave it in the soil for the benefit of future crops.

Cow-peas, says the Kansas Station, make excellent hay, which, if properly handled, is equal to alfalfa in nutritive value. When sown for hay it is preferable to plant in close drills, about one bushel of seed to the acre. The plants then grow upright, and the crop is easier to cut with a mower. If grown in rows, though the production of forage may be as great, it is more difficult to harvest, and the ranker growth made by the plants is apt to develop woody stems which impair the value of the hay.

One of the greatest difficulties in growing cow peas for hay is curing the vines after harvest. The vines grow large, and, cut at the proper time for hay, before the leaves have fallen, they are full of sap and cure slowly, so that if the weather happens to not be dry and ideal, the hay may be badly damaged before it is cured sufficiently to be safely put in the stack or mow. For the reasons here given, cow pea hay should be put up in very high, slim shocks, as narrow at the base as possible to give them any stability, and as high as they will stand. Some farmers set small stakes to shock the vines around, and good hay is always secured in that way, as the tall, narrow shocks cure through in anything like favorable weather. And it is not so very expensive, since the stakes can be saved from year to year.

The cow-pea is not essentially a pasture plant, but coming on as it does in the latter part of the summer, it may be made to furnish rich, succulent pasture during the time when other pastures are short. Such pastures can be hardly excelled for hogs and sheep. The stock are generally turned on when the peas have reached the stage of maturity considered best for hay, or when some of the pods have begun to turn yellow. Cattle are usually turned on earlier than sheep or hogs, and hogs may be pastured after the peas are fully ripe, and sheep and hogs may be profitably pastured after the peas have been cut and the hay removed. Pastured too early the forage is not so nutritive, and turned on suddenly there is danger of bloat. That fact must not be forgotten. If intended for pasture, especially for hogs, it is better to plant the peas with corn. at the last cultivation. The corn can then be gathered in whole or in part, and an ideal pasture is left for hogs.

The peas themselves have a very high feeding value. They furnish about two and a half times as much protein and nearly as much carbohydrates as corn. The peas rank high as a feed for poultry, and unthrashed pea hay is valuable to put in the house or runs for the fowls to work among.

The Kansas Station declares there is no more metropolitan crop grown in the corn belt than the cow-pea. It will grow and make profitable crops on nearly every type of soil where supplied with the necessary amount of moisture and given good culture. It is better adapted though to the open soils of a sandy loam nature than to the clay loams or heavy clays. The more open soils allow good aeration, which favors bacterial activity and promotes a better development of the plant. Heavy clay soil produces but a small crop the first year, but the second year the crop grows better, which probably results from the soil being opened and enlivened by the deep root system of the plant. This habit of the pea puts these soils in better condition for all classes of crops that may follow them.

Another valuable quality of the cow-pea is that, being a rank feeder, it is able to extract plant food from soils almost barren to other crops, its deep root system and nitrogen gathering powers, renovating such soils and making them productive of crops they would not grow before. But heavy crops of peas should not be expected on such lands, nor should a single crop of peas be expected to make wornout land new again. Each crop helps, and the second crop of peas will be better than the first. Pea crops turned under build up the land much faster. Rich lands produce proportionally more hay than peas, while on poor lands more peas than hay may be expected.

The seed bed for cow-peas should be prepared as carefully as the seed bed for corn. Many lose out on this crop for failure to make a good seed bed. The peas should not be planted until all danger of cold weather is past, and the soil is warm and in good tilth, but it does not matter how early the ground is broken, provided it is worked up fresh at planting time.

To plant for seed, the best practice is to plant in rows about three feet apart, dropping the peas two or three inches apart in the rows. A common corn planter may be used for this purpose, but the rows will be further apart than is necessary. This may be obviated by double planting, or straddling each alternate row. That puts the rows from twenty to twenty-two inches apart, a little close, but we like

(Continued on Page 8.)

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THE COTTON BOLL-WORM AND CORN EAR-WORM

NOT many of our readers know that the famous, or, more properly, infamous cotton boll-worm and the worm which sometimes does much damage by eating in the tip of ears of green corn, are one and the same insect, but such is the case. From reports that have come to this office, especially from Southern Indiana and Southern Illinois, we are inclined to believe this pest was more numerous and did greater damage in the corn fields last season than for many years previous, possibly than ever before.

The principal place where damage is wrought is in the tip of the ear, and the work is mostly done when the ear is in the roasting ear stage. Every one who has husked corn has noticed this damage to the ear, which manifests itself in grains wholly or partly destroyed, their place being more or less filled with a dark, mealy dust left wherever the insect has been. In some places the death of horses that have been known to eat corn so damaged has been attributed to supposed poison in the leavings of the insect, but we do not think that suspicion well founded.

In the "corn belt," late corn suffers from this insect much more than early corn. About thirty years ago, a field near Murphysboro, Illinois, planted by the writer on the fifth of July, was almost entirely destroyed by the ear-worm. It was rare to find an ear that had not been attacked, and it was seldom a grain in the ear had not been reached.

All readers of farm papers, and all who are familiar with the work of the Department of Agriculture, know something of the damage wrought by this insect in the cotton fields of the South, but few have much idea of what it has done, or what it is capable of doing, in the corn fields of the North. It is, perhaps, the most universal pest agriculture has ever had to contend with. So generally is it found that its native place is not known. It may be said to be at home any where plants grow in a belt around the earth extending south to Dunedin, New Zealand, latitude south about 46 degrees, and north to Sjaelland, Denmark, latitude north about 55.30 degrees; and it works upon more plants, useful and otherwise, than any other insect known. We may mention the following:

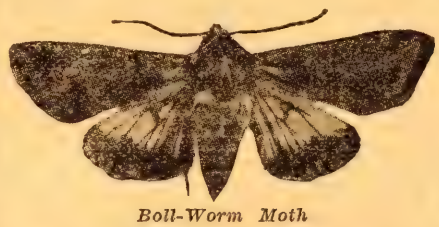
Corn, cotton, tomato, apple, peach, Irish potato, sweet potato, cowpeas, garden peas, squash, gourd, cucumbers, castor bean, millet, alfalfa, green peppers, okra, tobacco and blackberries. In addition to these, it attacks



Boll-Worm

many flowering plants, and also many noxious weeds. Its ravages are not much noted, however, except on cotton and corn, but its ruinous possibilities are seen in the universality of what it can feed upon and the wide extent of its range.

Bulletin number 50 of the Department of Agriculture, tells us that "corn is without doubt the preferred food of the boll-worm," and it is subject to attack from the time the plants are 12 to 18 inches high in the spring until late in the summer and fall, when the yellowing leaves and stalks and ripening ears are no longer soft enough to be devoured. Sweet corn is most generally infested. Early planted sweet corn is just coming into tassel and silk as the moths from hibernating pupae make their appearance. The plants are then stocked with eggs, the leaves, stalk, tassel, ears, and silks often being literally covered with them, numbering for a single plant, not infrequently from 300 to 500. The tender central roll of leaves, or "bud," the unfolding tassel, and the milky kernels of the ear are attacked by the larvae, and the plant likely soon presents a sorry appearance. The injury to the ear may be confined to the destruction of the terminal portion (the tip), or large irregular cavities may be eaten quite the length of the ear. This is more particularly applicable to sweet corn in the South. Fortunately for northern farmers, they have never so far as known, except in the case mentioned above, manifested themselves in such destructive numbers in the north.



Boll-Worm Moth

The ravages of the boll-worm are not so severe in field corn as in sweet corn, nor, as we have already intimated, in the North as in the South. But it is here, and what its future work may be cannot be conjectured. The Department of Agriculture supposes, however, that its ravages in the United States, one year with another, may be put down at two per cent. of the value of the corn crop, which for last year would bring the loss to not far from $25,000,000.



Boll-Worm at Work in Ear of Corn

To know what this insect costs the farmers and truck men of the United States, we must add to this great loss to the corn crop, the enormous loss to the cotton crop, and the by no means insignificant but less noted loss to various other crops. As early as 1905 the Department of Agriculture estimated its damage to tomatoes at $160,456. And we are still short the damage it may occasion to fruit, tobacco, alfalfa, cowpeas, and other crops on which its attacks are just beginning to be understood.

If every corn grower would make certain he was planting only seed of strong vitality each season before putting it in the ground, he would reap a reward at both ends of the game—making a saving in buying his seed, and increase the yields wonderfully. There is but one way to insure the planting of good seed, and that is to test it. A seed corn tester is very cheap in price in proportion to its value. Write the National Seed Tester Co., 250 Marquette Bldg., Des Moines, Ia., for their catalog of seed testers.

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We have been selling you farmers reliable garden and farm seed for 35 years. Now we want you to sell us something—a name for our "Nameless" Seed Corn. And we are willing to pay you liberally for that name.



Let's everybody get together and name this new seed corn. No one can lose a penny and somebody will get $500 in Gold FREE. It's a valuable offer, the judges are fair and square men—and this wonderful corn certainly deserves a smashing good name. Do not hold back just because your favorite name is not "highsounding." If it suggests the fine quality of the corn, it is worth sending in. Your opinion is wanted.

Please remember that "Nameless" Corn is not for sale now at any price. There is but a small amount in existence. The best anybody can do this season is to procure a sample packet. You will receive Salzer's big 1910 Seed Book free. Write NOW—to-day—while we still have samples of "Nameless" Corn left. Sample costs 4c, but you need not have sample in order to enter contest and win prize.

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Bigger, better, more interesting than ever! Salzer's 1910 Seed Book is now going out at the rate of 30,000 copies a day. Some want Seed Corn—other farmers, Oats; others, Clover—many want garden seed, etc. All of them prefer Salzer's Seed, knowing they will reap a rich harvest. You yourself ought to plant Salzer's reliable seeds this spring and you ought to have Salzer's Seed Book before your eyes right now. Plan to get big crops this year. Plant Salzer's Seeds, cultivate them and note the paying result in full cribs, granaries, etc. Let Salzer help you—let him start you right and keep you going right. He has been advising farmers for 35 years. His judgment is keen, his seed reliable. Get your copy of Salzer's Grand Seed, Plant and Tool Catalogue now and begin thinking about planting. Spring will be here before we know it. Send in a corn name while you have our address before you. Big Catalog Free. Should another offer the same (acceptable) name as yours, the $500 prize will be equally divided.

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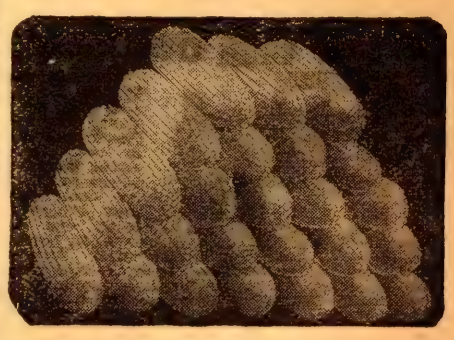
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FARMERS INTEREST WHITE DENT

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Also district, state, county and other shows almost beyond number.



We want to tell you that 25 ears of Farmers Interest corn were awarded a National Prize of $1,000 and sold for $150.

Description: Farmers Interest is a thoroughbred corn, the result of many years of scientific breeding. Grain white, deep, sometimes ½ to ¾ inch in length and sound. Ears grow large to very large, 18 to 20 rows. The cob is just right to hold the long grains and to make such large ears. Ears of Farmers Interest corn frequently shell a pound of corn each and the cobs from a bushel of ears weigh only 8 to 12 pounds. A strong grower as it is a large rooted variety and withstands drought well. Stalks are close jointed, leafy and strong.

The average weight of the common run of corn is only 8 ounces. Farmers Interest corn weighs about 12 ounces. This means in a state like Illinois, which produced 298,000,000 bushels of corn in 1908, an increase of 149,000,000 bushels if all the farmers planted Farmers Interest. Of course only comparatively few of them are enterprising enough to do this which is the particular reason why YOU should plant it.

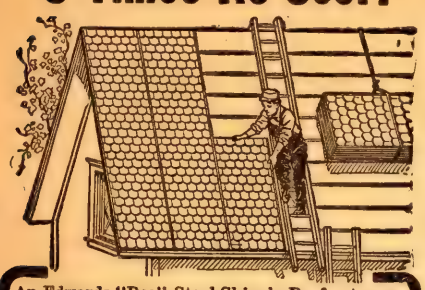
Every farmer knows it pays to plant good seed. They also know it is very necessary to change their seed occasionally. If by changing seed to a better variety you can increase the yield 10 bu. per acre, it means the payment of the rental of the land over and above your regular crop. An increase *of 15 to 25 bu. per acre is not an impossibility.*

PRICE: Sample ear, 30c; pkt., 10c; 1 qt., 50c; 2½ qts., $1.00, all by mail postpaid. By freight or express, ¼ bu., $1.00; ½ bu., $1.50; 1 bu., $2.50; 1 bag, (2½ bu.) $5.00. One peck, costing $1.00, will plant two acres. If you will not plant a field, then plant a two-acre plot and have future seed and to sell.

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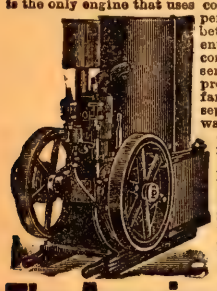
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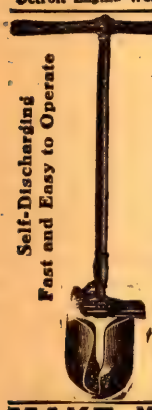
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EQUITY PUBLISHING CO., Indianapolis, Indiana

IMPROVING THE QUALITY OF THE OAT CROP.

By Prof. M. L. Bowman, Iowa State College, Ames, Iowa.

Clean Seed and Seed Patch.

It is very generally known that the climatic conditions of this State are not so favorable to oat production as in the regions further north. Because of this fact it is all the more necessary that special attention be paid to the selection of our seed or in the course of a few years we find our varieties will not hold up to the standard—they will deteriorate. It is a very common expression today to hear that "This or that variety does not produce as well as they used to some years ago." The common practice of taking the seed oats directly from the oat bin without giving any special attention to its selection has been very largely accountable for this deterioration. It has, at least, helped to a very marked degree the less favorable climatic conditions. While new varieties will and can be introduced to a very good advantage, yet the great question which is confronting many of our Iowa farmers at this time is "should the seed that I am using be totally discarded and other seed for the planting of my fields be secured, or should I not sow the seed which I have been using for my large fields and secure small amounts for test patches?" The latter is, no doubt, the most sensible plan. The yield per acre in Iowa can be very materially increased by using seed from the oats which is already being produced upon our farms, if proper attention will be given to the fanning and screening in order that the large, plump grains be secured; then the oats can be treated with formalin for smut; the seed bed be put in proper condition, and the drill be more commonly used.

Seed Patch.

Every farmer should have a seed patch from which he could select his seed for the next year's planting. In the introducing of new varieties, or the importing of seed oats into different localities, it is unwise to risk your entire crop. Small fields of one or two acres can be very profitably devoted to the testing of different varieties, and when found to be of good yielding quality, enough seed may in this way be secured from the "seed patch" for the larger fields the following season. This is the safest plan to adopt.

By the careful selection of our seed oats, proper preparation of the seed bed and the use of the drill, we can increase our yield very substantially. While in many cases a change in varieties will add very materially to this. The farmer's "seed patch" is all important.

THE COW PEA AS A FARM CROP

(Concluded From Page 6.)

it better than full width planting. Peas planted thus in rows need some cultivation to keep the ground from crusting, and to prevent the growth of weeds. But such cultivation should be kept as level as possible. Very light harrowing is good provided it does not tear up too many of the plants. A good stand is the matter of first importance.

When planted for hay or green manuring, the best method is to sow broadcast or to drill six to eight inches apart. The common grain drill is a good implement to use for this purpose, and it should be set to sow about six pecks of wheat per acre; it will then sow the peas at the rate of one to one and a half bushels per acre. An objection is that many force-feed drills break a great many of the peas. Peas thus planted require no cultivation, but the soil should be well worked before planting.

Peas may be sown in corn at the last cultivation. A one-horse wheat drill may be used and two or three rows of peas may be planted between the rows of corn. Or, if the corn stands close, a corn drill may be used, and one row of peas put between the rows of corn. If the corn is check-rowed, they may be planted both ways. Some sow broadcast just before the last cultivation. This is objectionable on account of the unevenness of covering, and also because so many peas lodge in the corn blades and are lost. Peas planted with corn are generally expected to be pastured after the corn is gathered.

THE DISK DRILL AND WHAT IT HAS DONE

The disk grain drill has practically revolutionized the method of sowing small grains. Thousands upon thousands of acres, where it would be absolutely impossible to put in grain by the employment of old style grain drills, have been transformed into golden-hued grain fields by the invention of the disk drill. Not only is this true, but the disk drill has lessened the labor for both man and beast. It has also enabled the farmer to reseed his worn out meadows and run down pastures. The farmer nowadays who has a Kentucky Disk Drill does not worry if his fields are trashy and the ground covered with pea vines, crab grass and trash. He no longer worries if his fields are muddy, or his ground is hard and difficult to sow. He knows full well that his Kentucky Drill will go through it all, put the seed in the ground and cover it well. The Kentucky Drill is made in a wide range of styles and sizes—plain and fertilizer—by the American Seeding Machine Co., Incorporated, Richmond, Ind., whose ironclad warranty protects every purchaser. You can get in the Kentucky line a drill that will do your work right, no matter what state or territory you live in. Send to the manufacturer for the Kentucky Drill catalogue, read about Kentucky drills and then call on your retail implement dealer and insist on seeing the Kentucky Drill.

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That is what you get from our seed. We have perfected several varieties of potatoes that are unequaled in quality and yield. Our customers have had wonderful success with our potatoes, beans and peas—they are our specialties—been years developing them to their present state of perfection. Let us send you our 112 page catalog of hardy, Northern-grown field, vegetable and flower seeds. Write to-day.

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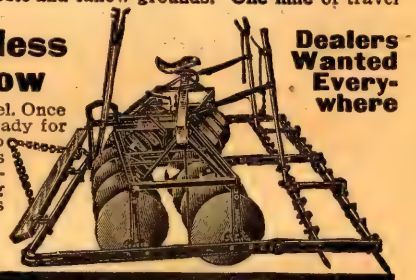
This Tool Saves Plowing

Four times as rapid as the plow and makes just as good a seed bed. Disc and harrow combined—the great 2-in-1 combination for corn, stubble and fallow grounds. One mile of travel by the team means one acre ready for seed.

Naylor 2-Row Tongueless Disc and Spike Harrow

Discs cultivate and stir, spikes pulverize and level. Once down the field completes a strip 8 feet wide—ready for seed. Discs and spikes can be set at any angle to work deep or shallow. Only front row of discs work in unbroken ground. Write for full description and Special Introductory Offer. Something good for first one writing from each town. Address

THE NAYLOR MANUFACTURING CO.
Box 157, La Grange, Ill.



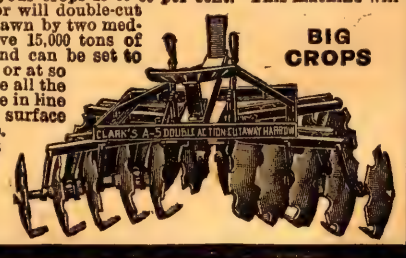
Dealers Wanted Everywhere

CLARK'S DOUBLE ACTION "CUTAWAY" HARROW

CLARK'S CUTAWAY TOOLS

WITH JOINTED POLE. It is made especially for every day work. It will increase your crops 25 to 50 per cent. This machine will cut from 28 to 30 acres, or will double-cut 15 acres in a day. It is drawn by two medium horses. It will move 15,000 tons of earth one foot in a day, and can be set to move the earth but little, or at so great an angle as to move all the earth one foot. Runs true in line of draft and keeps the surface true. All other disk harrows have to run in half lap. The Jointed Pole Takes All the Weight Off the Horses Necks, and keeps their heels away from the disks. We make 120 sizes and styles of Disk Harrows. Every machine fully warranted. Send for FREE Booklet with full particulars.

BIG CROPS



CUTAWAY HARROW COMPANY,
863 Main St., HIGGANUM, CONN.



Free and Clear to Your Depot on 30 Days' Trial

NO MONEY DOWN—NO CONTRACT

This big money-maker is yours, for 30 days' use, anyway, no matter where you live, without a penny of expense to you. I'll pay the freight. I don't want any money in advance—any deposit—any contract. All I want is your permission to ship you a—

CHATHAM FANNING MILL, SEED GRADER and CLEANER

Then, if you want to keep it, pay me my bedrock, factory price—on easy terms. I think you'll want it for keeps when you know how fast it makes money by giving you clean, graded seed to plant and sell. One means full crops—necessary when land is so high; the other means top prices when you sell. MY FREE BOOK, No. 169, will tell you all about it. Send your name and address, now, so I can make you my remarkable offer. Ask for Book No. 169. Use nearest address. Manson Campbell, President, THE MANSON CAMPBELL CO., Detroit, Mich.; Portland, Ore.; Kansas City, Mo.; St. Paul, Minn.

If you keep it—take a year to pay me.



GET FREE BOOK NO. 169

MONEY IN THE MANURE PILE

THE thrifty citizen is one that makes and saves. Almost every farmer is discussing in his own mind and with his neighbors the question of how to make his lands more productive. Commercial fertilizers come into the discussion; so does rotation of crops and green manuring. The barnyard manure, the fountain of farm fertility, is less thought of than almost any other source of richness. This is not altogether because farmers do not know; it is an illustration of the strength of habit.

To change the wording a little, the barnyard manure ye have always with you, and "a prophet is not without honor save in his own country." It is so common it is lightly esteemed. At convenient seasons, it is removed from the stalls and barnyard because it is in the way, and it is thrown upon some yellow place in the field because that place is unsightly, rather than from any special benefit expected to came of it.

The way manure is handled is proof that farmers do not esteem it very valuable. When it gets in the way in the stall it is thrown out somewhere, possibly in a heap as nearly out of the way as possible; and at widely separated times the manure scattered in the lot may be thrown together in a heap. When the heaps become unsightly, the manure may be hauled out, as we have said. This is the old practice, and too many farmers continue in it. It is a bad method, and poor economy.

An experiment by the New York station showed that a pile of cow manure weighing 2,398 pounds, thus thrown out in the weather, lost in a year 2,150 pounds of its weight, decreased one-half in bulk, and lost more than 46 per cent. of its fertilizing elements. A like experiment at the Cornel station with horse manure thrown in an unsheltered heap, showed a loss of 42 per cent of the plant food in six months. At the same time mixed manure stored so that fermentation was slow, but not sheltered from rain, lost little more than 9 per cent of its value; while manure stored so that it dried out without fermenting lost practically nothing.

Hauling manure directly to the field as soon as made and scattering it is the safest method of handling. The manure treated thus loses nothing by fermentation and very little by leaching. When the manure is plowed under fermentation takes place slowly, the gases are absorbed, and not even nitrogen is lost.

Handled to the best account, there is money in the barnyard manure. It possesses the plant food found in the commercial fertilizers, and in addition it is richly laden with humus. To handle it most successfully a spreader is needed, and its use is very clearly the road to increased production.

ABSORBINE INCREASES VALUE OF HORSES

G. C. Hungerford of Gaylorsville, Conn., writes under date of Oct. 22, 1909, as follows: "A neighbor of mine had a horse lamed from a nail in the foot. The animal was appraised at $50.00. Your Absorbine was applied, and today the horse would bring $200.00." Absorbine for Bog Spavins, Thoroughpins, Enlarged Glands, Rheumatism, Etc. $2.00 per bottle at druggists or sent express prepaid upon receipt of price. W. F. Young, P. D. F., 102 Temple Street, Springfield, Mass.

Make Perfect Seed Bed in Half Time

Here is the Harrow that does the work—Cultivates every inch of soil, stirring and pulverizing with its double-duty spring and spike teeth. You need go over the ground only once with the



NAYLOR 2-in-1 HARROW

THAT saves half your time and labor, and the soil is left in a much finer condition than two or three times over with any other harrow.

The spring teeth stir and cultivate—the spikes pulverize and level. You can use either or both at once, setting for shallow or deep work by a simple movement of the levers. **Once** over makes a perfect seed bed and creates a fine soil mulch to conserve the moisture, leaving ideal conditions for seed growth.

WRITE FOR FULL DESCRIPTION

and learn all about this great double-duty tool. You'll be interested in seeing how the spikes not only pulverize and level but support the frame, keeping the spring teeth from going too deep; and how the spring teeth not only cultivate the ground, but hold the spikes to their work, and how both can be raised instantly above ground and the harrow "skidded" on its frame. Above everything else you'll be interested in the magnificient work it does, as proven by the testimonials we will send you.

We have a special bargain for the first order from any locality. **You might as well be first as second.** Write today—a postal will do.

The Naylor Mfg. Company
Box 57, La Grange, Ill.

A Bargain For the First Buyer From any Town

Dealers Wanted Everywhere

SEED CORN 153 BU. ACRE

Diamond Joe's Big White—A strictly new variety. None like it. It is the Earliest Best Big White Corn in the World—Because it was bred for most Big Bushels, not fancy show points; because grown from thoroughbred inherited stock; every stalk bears one or more good ears, because scientifically handled, thoroughly dried and properly cured and had the most rigid examination. Big Seed Catalog FREE. It tells about all best farm, grass, garden and flower seeds grown. Write for it today. Address, **RATEKIN'S SEED HOUSE, Shenandoah, Iowa.**



NEVER SINCE CHRISTOPHER COLUMBUS DISCOVERED AMERICA!!!

"No sir," never before in all history was such standard, high quality, superior manure spreaders, gasoline engines and cream separators sold at such extremely low wholesale quantity prices. Better machines, mind you in every way at only actual cost of material, labor and one very small profit based on these tremendous quantities: **30,000 Galloway Manure Spreaders, 14,500 Galloway Cream Separators, 7,500 Galloway Gasoline Engines** for this year. Anybody might just as well have one or all of these machines when they can get in on a wholesale deal of this kind. Be your own dealer, buyer and agent.

MY PROOF

On the Galloway Spreader is the O. K. of 40,000 farmers.
On my Gasoline Engine, the O. K. of 20,000 farmers.
On my Cream Separator, the O. K. of 25,000 farmers.
And 15,000 on my other machines, making over 100,000 farmers who have O. K'd the Galloway Goods of all Kinds.

THINK OF IT!

98 per cent of all of my customers who buy once buy from me every year.

My business has grown from $100,000 a year to millions of dollars annually.

Why does every farmer who buys a machine of any kind from us, sell from one to a dozen more to his neighbors?

Why has Prof. Holden and the members of the Corn Growers' Association of Iowa, unsolicited, O. K'd and recommended our great proposition to the farmers of this country after personally looking it all over?

NET RESULTS

Are what count with you and every farmer in the corn crib, at the threshing machine, in the dairy, and at the bank,

Get your name in to me for which one of these machines you want and I'll guarantee you'll be satisfied with the big net results each machine will give you.

Remember I make a better manure spreader than any spreader made in the United States at any price, and sell it to you for a half less,

I make a better gasoline engine than is sold by so-called standard companies—better, mind you, absolutely—and sell it to you for a half less.

Same way on Cream Separators.

GET MY PROPOSITION FIRST

and I'll leave the rest entirely up to you.

Send me your name now, and join our big crowd—over 100,000 strong—of satisfied customers, 98 per cent of which stay right by us year in and year out, which is the real proof of the merit of my way of doing business.

A farmer wrote in the other day and said that an agent told him if he sent his money in to Galloway and the stuff did not satisfy, he wouldn't get his money back.

This is a deliberate lie, absolutely.

You can get your money back as soon as you want it, if the goods don't please you.

Could I have ever built up a business of millions of dollars annually on any other plan?

Never in the world.

Get your name in to me new. I can do you a lot of good for 1910.

Why have imitators sprung up everywhere trying to copy our plan, some calling themselves manufacturers when they are not, trying to get business on our reputation and square deal policy?

All these things are my proof that you are not getting what you are entitled to if you don't get your name in to us on any of these lines you are interested in.

Remember, I give you better goods, absolutely and positively, and sell them for a half less. I let you decide this question yourself.

Now don't start 1910 in without getting my proposition on one or all of these lines, whichever you are interested in.

Remember, you are to be the judge as to the quality and also that I am running the biggest bunch of factories in the United States today, right here at Waterloo, Iowa, in the interests of the farmers of America.

You are not getting what you are entitled to and what is due you, if you don't get in on this saving that I am able to give you.

Pay no attention to what commission grasping agents, dealers and imitators tell you.

They can't equal the deals I can give you and they know it.

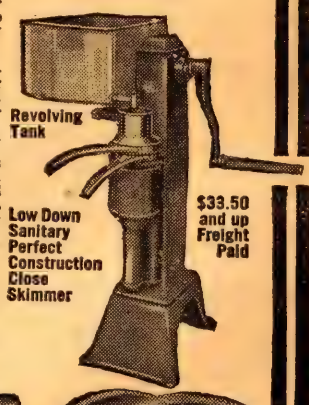
Tell me what you are interested in by simply filling your name in on the coupon and checking whatever article you want.

In addition to the special catalog we will send you on whatever article or articles you are interested in, we will send you free our big General Line Catalog, in four colors, showing how Galloway divides the melon with you.

Get your name in to me now.

Wm. Galloway

President THE WILLIAM GALLOWAY COMPANY OF AMERICA
509 Galloway Station, Waterloo, Iowa



Low Down Sanitary Perfect Construction Close Skimmer

$33.50 and up Freight Paid

CAUTION! LOOK OUT! I just want to caution you at this point against dealers, agents and imitators who, on account of my tremendous success, say things that are absolutely false.

Some manufacturers who sell through dealers claim they are selling the Galloway under a different name.

This is an absolute lie.

The Galloway machines of all kinds are sold no other way than direct.

Also look out for concerns who call themselves manufacturing companies who are not manufacturers at all. This I can prove, absolutely.

There are two different institutions of this kind advertising in the Farm Papers, who are nothing but supply houses and merchants.

Don't get fooled by them.

Fill out and mail this coupon to me this very day.

FREE TO YOU **WM. GALLOWAY CO. 509 Galloway Station, Waterloo, Ia.**

Here's my name and address—Send me FREE the catalogues I have checked.

[ ] Manure Spreader [ ] Separator [ ] Gas Engine

Name _____

Address _____

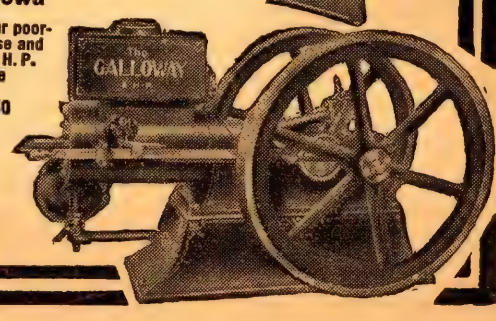
Town _____ State _____



Positively only successful Wagon Box Spreader on the market today. Drive chains will not stay on others.

New Matchless Roller Feed makes light draft

I save you one-half and give you better spreader



Sell your poorest horse and buy a 5 H. P. Engine Only $119.50

Clip Your Horses



With a

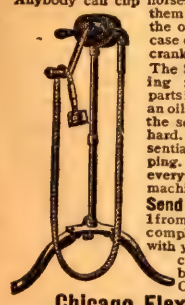
Stewart Horse Clipping Machine

Farm horses need clipping. A heavy, sweaty coat of hair saps their energy and strength. Clipped horses keep in better condition, work, sleep and look better than unclipped horses, and are less liable to take cold.

The World's Best The Stewart No. 1 is the best machine in the world and is better suited to your needs than any other. For it's made simple and works simple. There are no complicated or delicate parts—as in other machines—so that it will last, and give good service, for a lifetime.

Quick, Clean and Safe Clipping

Anybody can clip horses with a Stewart. Can clip them better than the expert with the old hand clippers. It's just a case of guiding the knife while the crank is being turned.



The Stewart No. 1 is a Ball Bearing machine with all working parts inclosed, where they run in an oil bath. All gears are cut from the solid steel bar and made file hard. These four features are essential to correct and easy clipping. Look for these points in every horse clipper; refuse the machine that has not got them.

Send $2.00 Order a Stewart No. 1 from your local dealer. The price complete is $7.50. Or send $2.00 with your order and we ship the complete outfit C. O. D. for balance. Send for catalog. Order today.

Chicago Flexible Shaft Co.
224 Ontario Street, Chicago



Before After

ABSORBINE

Removes Bursal Enlargements, Thickened, Swollen Tissues, Curbs, Filled Tendons, Soreness from any Bruise or Strain, Cures Spavin Lameness, Allays Pain. Does not Blister, remove the hair or lay the horse up. $2.00 a bottle, delivered. **Book 1 E free. ABSORBINE, JR.,** (mankind $1 and $2 bottle.) For Synovitis, Strains, Gouty or Rheumatic Deposits, Varicose Veins, Varicocele, Hydrocele. Allays pain. Your druggist can supply and give references. Will tell you more if you write. Send for free book and testimonials. Manufactured only by **W. F. YOUNG, P. D. F., 102 Temple St., Springfield, Mass.**

SILOS

EARLY BUYERS SAVE MONEY
EARN ITS COST BEFORE MONEY IS PAID

HOW? KALAMAZOO TANK & SILO CO MICHIGAN

5-ft. Boiler Steel Hogtroughs $1.95



Write for free descriptive circular
"Made of Heavy Boiler Steel 1-8 In. Thick"
FULTON SUPPLY CO., 534 Fulton St., Chicago, Ill.

VETERINARY COURSE AT HOME

$1200 year and upwards can be made taking our Veterinary Course at home during spare time; taught in simplest English; Diploma granted, positions obtained for succeesful students; cost within reach of all; satisfaction guaranteed; particulars free. **ONTARIO VETERINARY CORRESPONDENCE SCHOOL. Dept. 10, London, Canada.**

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Our course given at home. Diploma issued on graduation. Small expense. Endorsed by the **National Association of Live Stock Breeders and Exhibitors.** ☞ Booklet sent FREE.
AMERICAN INSTITUTE VETERINARY SCIENCE, DS. CHICAGO



MILK FEVER OUTFITS,

Dehorners, Teat Syphons, Impregnators, etc. Received Only Award World's Fairs, Chicago, St. Louis. Write for illustrated Catalog. HAUSSMANN & DUNN CO., 392 South Clark Street, Chicago.

HEAVES CURED. Dr. Frank's Remedy Co., Detroit, Mich., tells how, FREE.

ANGORA GOATS. Full blood from the original importation from Turkey. Pairs and trios for sale. J. A. MOBERLY, Windsor, Ills.

HOLSTEIN Bulls, Cows and Calves. Write wants, United Breeders Ass'n, Wyalusing, Pa.

CALVES. Raise Them Without Milk. Booklet Free. J. W. BARWELL, Waukegan, Ill

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the

Farmers Society of Equity, at .....

..... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course.

NAME .....

ADDRESS .....



THE MEAT BOYCOTT

THE so-called meat boycott that has been so much talked about, is but another illustration of how easy it is to begin the solution of a problem at the wrong end. The movement seems to have been inaugurated and prosecuted by organized labor, though it has been joined in by many who are bitter enemies of labor organization of any kind, and who, as a rule, would not countenance any action taken by the laborers. It makes all the difference in the world whose ox is gored.

We do not like to call silly anything sensible people do, but this alleged meat boycott can scarcely be given any other appellation. Laborers, like everybody else, have a right to control their own business, and if enough is not paid for what they have to sell, their labor, they may, with entire consistency, and in accordance with universal business example, demand a higher price. But they have no commercial or business right to interfere with the price fixed by others upon property that belongs to those others. The sellers of meat are not an exception. They may refuse to buy any article, no matter what, that is offered for sale, and that, we suppose, is taken to justify the boycott; but that makes it none the less silly. The human body must have nutritious food, and throughout civilization, meat, the prepared flesh of certain animals, fowls and fishes, is a leading element of such food. Must men deny themselves that food because some power, condition or influence somewhere, justly or unjustly, makes the price of that article above their ability to purchase it? Not at all. To do so is an open confession of weakness, an acknowledgement of slavery to some master somewhere. Every person that works for a living, no matter in what capacity, has something to sell. It may be his labor or a product of his labor. On that he has a right to name the price when he sells, and it is his duty in self defense to keep that price on an equitable level with the prices charged for what he must buy. In this is the remedy for prices forced by greed or any other cause, to a level above the equitable plane. Where there are many engaged in the production of the same article, or who have the same article for sale, there must be co-operation and an agreement as to price, and that, too, is legitimate.

The boycott is no remedy. It may create a disturbance, and an apparent attempt at readjustment, but the effect can be only temporary so long as the cause remains. Indeed, if the scarcity of meat stock is the cause it will only intensify it, for under present marketing and price-making conditions, whatever effect the boycott may have will terminate on the producers of meat stock and discourage production. This is made clear by the following declaration from the packing houses:

"The present market for live stock is not the sort the packers would choose. We would prefer to buy cheaper and sell cheaper. The volume of our business would then be greater. Moreover, with lower prices, the amount of capital tied up in our business would be less than now.

"But no packing concern is responsible for the initial cost of live stock in accordance with which the price to the retailer is high or low. It is not the produtcs of the packing houses alone which have increased in price. All farm products have gone up. Butter has doubled in price, eggs are higher, chickens and turkeys never were so high.

The head of one of the largest packing houses said:

"I want to see lower prices, and I think this agitation will make for lower prices. Increased production is the practical remedy. The people must go back to the farms, and the farms must be made more productive. Whether by irrigation, reclamation, fertilization or colonization, the production of grain and live stock must be increased."

From this it is clear that the packers are determined to maintain their profits. If the eaters compel a reduction in the price of meats the packers will compel a reduction in the price paid to the farmers for live stock. The boycott, therefore, is not against the packers but against the farmers who now receive only fairly remunerative, but not excessive, prices. A comparison of the prices paid the farmers for the stock with the prices charged for the meats, shows beyond cavil where the high prices are built up. Another proof of where the excessively high prices are made is the undenied fact that the packers accumulate millions within periods shorter than a lifetime. And Mr. Armour welcomes the boycott because it will force the prices to farmers down without cutting the packers' profits or affecting their accumulations.

What then, is the remedy? Does not organized labor know? When a certain house refuses to employ organized labor, do they boycott all the articles in that line, or only those put out by the scab house?

Boycott the products of the packers, if you will, but encourage meats from other sources. Our contention is that private or independent houses can supply meats much cheaper than the packers do; that they can pay equitable prices to the farmers and stockmen, pay equitable prices also to their employed labor, sell the meat at equitable prices to consumers, and make equitable profits on their own efforts and investments. Here is the remedy. If the thirty-day-no-meat-eaters would encourage independent houses, and if the farmers would do the same, until each village and town and city had its home supply, a thing entirely practical because it prevailed before the organization of the great combines, the difference between the price of live stock and the price of meat on the consumers' tables would be more reasonable, and the packers would speedily sue for terms. So long as the packers have a monopoly of the purchase of stock and the selling of meats, prices will be low on one side and high on the other, and the profits between will make millionaires.

At the risk of too long an article, we must call attention to one other phase of this question, to show the inconsistency of the packers' claims.

Mr. Armour, to whom the above quotation is mainly credited, says there must be increased production. Why? In all farm products is there not as great a production as at any other period? There may be a slight shortage in live stock, but has not the packers' combine the same power to make the price on a hundred million cattle, hogs and sheep, that it has on ten million? And would it not have the same power to make the price on the meats cut from the greater supply that it has to make the prices on those cut from the smaller? If Mr. Armour wants a surplus of the stock on hand, can not that be secured at one end of the proposition as well as the other? If the consumers quit consuming will not that leave a surplus on hand more quickly than for the producers to increase production? The packers are not only inconsistent, but they are illogical. They care nothing for any action that does not affect their hold upon both ends of the bag. But should something be done to affect their monopoly of purchase and supply, a different tune would soon be sung in Chicago, St. Louis, Omaha and Kansas City.

Probably no implement in universal use on the farm is viewed with such abhorrence by the boys as the grindstone. But their day of liberty is in sight. The Carborundum Grinder sold by The Harman Supply Co., marks a distinct forward step in farm improvements. Instead of the back-breaking two hours work for a boy and a man sharpening an axe, a scythe or a sickle, on this machine one man places his tool to be sharpened, in place, takes a seat, puts his feet on a couple of pedals, and with this wonderful Carborundum Grinder, the job is done in a few minutes. In time alone it will save its cost in one year, and its ease of operation will commend itself to every one who has ever used a grindstone. To investigate this machine, write to the Harman Supply Co., Dept. 3651, 160 Harrison St., Chicago, Ill.

THE RIGHT PRICE

FOR YOU TO PAY FOR A CREAM SEPARATOR

lies somewhere between $14.85, which is all we ask for our New Butterfly Jr., and $44.85, our factory-to-farm price on our big Jumbo, size 5 1-2 New Butterfly machine. Some one of the five sizes we make is just exactly suited to your purpose, whether you keep one cow or fifty. **A POSTAL CARD OR LETTER addressed to us today will bring you our big 1910 New Butterfly Cream Separator Catalog at once.** Then you can select the size and style you want and we will ship it direct from our Chicago factory to your farm, where you can give it **30 days' trial.** If you don't find the New Butterfly the best built, most improved, **lightest running, easiest cleaning, closest skimming** and most convenient cream separator you ever saw at any price, send it back when the 30 days are up and get your money back in full. **Write today for our 1910 catalog.** Address

Albaugh-Dover Co., 2172 Marshall Blvd., Chicago, Ill.



$14.85 AND UPWARD

A New Butterfly Cream Separator will pay for itself in just a few months. After that it will make $10.00 to $15.00 a year extra profit on each cow you own. Five other sizes. Prices from $14.85 up to $44.85.

Write now for 1910 Catalog.

$15.95 AND UPWARD



THE LOW DOWN AMERICAN SEPARATOR

EXCELS ANY SEPARATOR IN THE WORLD

THIS OFFER IS NO CATCH. It is a solid, fair and square proposition to furnish a brand new, well made and well finished cream separator complete, subject to a **long trial and fully guaranteed,** for $15.95. It is different from anything that has ever before been offered. Skims **1 quart of milk a minute,** hot or cold, makes thick or thin cream and does it just as well as any higher priced machine. Any boy or girl can run it sitting down. The crank is only 5 inches long. Just think of that! The bowl is a sanitary marvel; **easily cleaned** and embodies all our latest improvements. Gears run in anti-friction bearings and thoroughly protected. Before you decide on a cream separator of any capacity whatever, obtain our $15.95 proposition.

OUR LIBERAL TRIAL ENABLES YOU TO DEMONSTRATE THIS. While our prices for all capacities are astonishingly low, the quality is high. Our machines are up to date, well built and handsomely finished. Run easier, skim closer, have a simpler bowl with fewer parts than any other cream separator. Thousands of machines in use giving splendid satisfaction. **Write for our 1910 catalog.** We will send it free, postpaid. It is richly illustrated, shows the machine in detail and tells all about the **American Separator.** Our surprisingly **liberal long time trial** proposition, **generous terms of purchase** and the low prices quoted will astonish you. We are the oldest exclusive manufacturers of hand separators in America and the first to sell direct to the user. We cannot afford to sell an article that is not absolutely first class. You save agent's, dealer's and even catalog house's profits by dealing with us and at the same time obtain the finest and highest quality machine on the market. Our own (manufacturer's) guarantee protects you on every **American Separator.** We ship immediately. **Western orders filled from Western points.** Write us and get our great offer and handsome free catalog. ADDRESS,

AMERICAN SEPARATOR CO., Box 1149, BAINBRIDGE, N.Y.

GROUND FEED FOR STOCK

THERE are arguments for and against grinding grain that is to be fed to stock. A writer in an exchange, speaking of grinding corn before feeding it to hogs, argues that, for an animal so greedy as the hog it is better to grind the corn that it may go into the stomach in finer particles so that it may be more readily acted on by the gastric juices.

From the greedy habits of the hog we would argue exactly the reverse. If the hog, or any other animal, is liable to swallow the feed too soon or too fast, it should be given him in such a way as to compel him to chew it. All grain feeds are starchy, and starchy feeds need to be mixed with saliva , which is accomplished in the mouth during mastication. If fed in a condition ready for swallowing, it will go into the stomach without being chewed at all, and, consequently, without any saliva. No mtater how fine it is in such a condition, the stomach juices are almost powerless to act upon it.

An objection to feeding the small grains whole is that too many of the grains are swallowed without being broken. These grains cannot be acted upon at all by the digestive juices, and pass undigested and unbroken through the entire alimentary canal. They furnish the animal no nutriment but do harm by irritating the canal.

If ground grain is fed we believe it should be fed dry, though some animals are liable to choke on such feed. A good way for horses or hogs would be to have a tight feed box, and feed some ear corn with the ground feed. If the ear corn could be soaked in water just before feeding it it would perhaps be better, except that possibly, too much of the ground feed would likely adhere to the cob and be left in the box. Shelled corn wet would not be open to this objection. And that would be the better way for cattle, for if whole ears be fed with the ground feed, the cattle would take out the ears and eat them alone, and then lick up the ground feed, and eat it alone. The object is to compel the stock to chew before swallowing, and the cud chewing habit of the cattle secures the saliva any way.

If one were inclined to take the trouble, the best way after all would be to mix the ground feed into dough and bake in hard cakes.

THE CALF THAT ESCAPED

NOT many farm calves escape the veal market nowadays, and those that do ought to have a little extra attention. The days of the straw stack calf have gone with the old conditions, and the better demand, making better prices, calls for better stuff. It will not be long now until the calves are turned on to the pastures. The owner cannot afford to find them gaunt, long haired, undeveloped creatures, possibly infested with lice, that will take all the spring and half the summer to bring signs of growth and improvement.

From now until the pastures are good, the "calf that escaped" should be well fed. Indeed it should have been fed all winter so that it made a constant growth, and is now in a fine growing condition. Such an animal will be ready for the change of feed, and it will be an honor to the flock during all the summer. It is growing stock that increases in value, and the better the chance given them, the greater will be the increase, and the larger the per cent. of profit.

FEEDING YOUNG AND OLD

CHILDREN and grown folks eat together, but there is a mutual understanding and intelligent helpfulness between them. Such does not exist between young and old animals, and it is not good policy to feed young and old stock together. The young are, or ought to be, making growth of bone and muscle, and they specially need good nutrition. The feeder should not "suppose," but he should know what each gets. This he cannot know when young and old are fed together. The grown eat faster than the young, and the strong crowd out the weak. One need not accept this as a theory. On almost every farm there are young and old; and some feed all together, and some feed separately. We are willing to base our doctrine on a comparison of the all-fed-together and the separately-fed young stock on any of these farms.

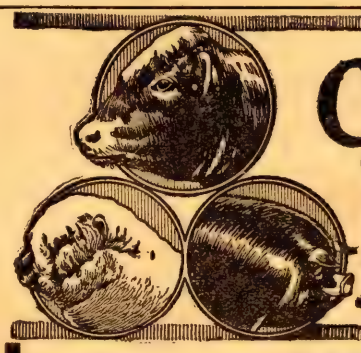
SAVE YOUR HOGS

A vast amount of damage is done each year by worms in stock, and especially in hogs. These parasites live off of the food of the hog, sap his vitality, and in many cases kill the afflicted animal. Every stock raiser should keep close watch on his live stock, and it will mean dollars to him to check them in their early stages. A cure that is effective is manufactured by the Iowa Stock Food Co., Dept. 7, Jefferson, Ia. Every farmer should investigate it. This Company is making a special offer, giving a $1.00 package of Worm Powder for only 25c stamps or coin, to cover cost of mailing.

The leading Mill Work Supply House, selling direct to the consumer, Gordan-Van Line Co., 1857 Case St., Davenport, Ia., announce a big discount in prices of building materials. Their prices on Doors, Windows, Columns, and in fact all such supplies, are a revelation to the person used to buying of the retail dealer. If you are contemplating building this coming season by all means secure their catalog before buying.



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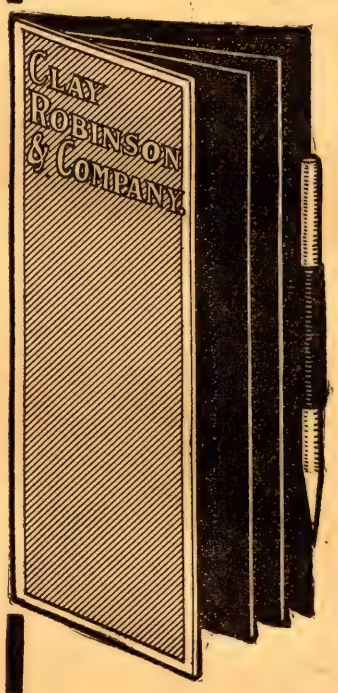
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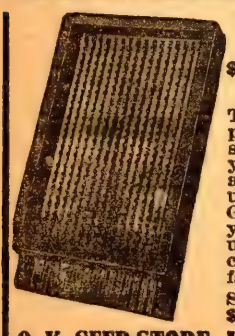
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FARM VERSUS CREAMERY BUTTER

WHY does not farm butter stand in the market by the side of creamery butter? Possibly it is because farm butter lacks uniformity. Change "men" to "women" in the old saying "Many men of many minds," and it applies to farm butter makers without any qualification. Farm butter is as varied in quality as farm butter makers are different in their ways of doing things. An exchange says the difference in farm and creamery butter is that at the creamery they have every appliance to work to the best advantage, and everything is done uniformly, and under precisely the same conditions, all of which combine to make a uniform grade of butter. This cannot entirely be overcome by the farm butter maker, but it may be more nearly than many suppose. The modern cream separator is not a very costly article, and its skillful use places the farm butter very close to the creamery article; and it enables the farmer who keeps three or four cows to make use of by-products that are not generally availed of.

Besides, we believe it is a fact that most butter users would prefer farm butter if they knew it was clean and properly handled, and if they could get it of uniform quality. The separator leads to this result and if the makers of such butter would secure private customers whom they would promptly and regularly supply, instead of dumping their product on the market to be mixed with the miscellaneous product of the neighborhood, such butter makers need care but little for the creamery competition.

If you want to save money on your purchase of fence write Kitselman Brothers, Box 289, Muncie, Ind., for their free catalogue. They are selling fence direct to the farmer on 30 days' free trial for 14¾ cents a rod up. See their ad in this issue.

All the Stock

The wood lot is the ideal run for the sow and pigs; but they need a dry, comfortable place to sleep in in winter and stormy weather.

"Overlaying" pigs at farrowing is more the fault of the bed than of the sow. If the bed be near a wall there should be a fender extending a foot from the wall and nearly as far above the bed, under which the pigs may escape.

Don't throw corn in the mud for hogs. It is wasteful and untidy, and it makes the hogs eat mud they would be much better without.

Spring colts are weaned; fall colts are still with their mothers. Whether weaned or not, they should be handled and fondled—made gentle. We never did like the idea of "breaking" a colt. The young horse must be taught, of course, before it knows how to work, but the teaching should be a pleasant process, requiring only patience, instead of a breaking business requiring strength and the lash, seasoned perhaps with profanity.

Be ready for the lambs. There is money in each little body, and just a little care at the start will make it secure—less work than is required to get the metal from the mine.

There are not enough pigs on the farms, and every one that is lost is a loss to the whole country as well as to the owner. Take care of the pigs.

Stockmen should be prepared to meet the crushing of prices that will soon be attempted by the meat combine or food trust. The stockmen are more powerful in numbers and they have possession of the stuff, but the meat combine is stronger in organization and work together with greater unity. The stockmen ought to build up their weak places.

Up-to-Date has a helping hand for every farmer in the land. No matter where his home may be, nor what his crops or products, he will something find in Up-to-Date to cheer and help him conquer fate.

Friends

Through the stubble field of trouble
To the stream where pleasures bubble,
  Is the journey we are taking
    While we tramp the weary way,
And the measure of our pleasure
Teaches us to guard and treasure
  Every friend who stops to greet us
    With a smile from day to day;
Friends are few or friends are many,
There are very seldom any
  Who uplift our hopes who do not
    Give the friendship which we yearn;
Make of friendliness a study,
Be a friend to everybody,
  And the world will be your
    Best friend in return.

—Selected.

Tell them you saw the "ad." in Up-to-Date Farming

A BEAR HUNT IN FLORIDA

I am going to tell about the first bear that my mother killed, and her experience with him.

As it happened, a bear came around one night in August when he could not find much of anything to eat in the woods, so he visited our bee apiary, for it is likely that it had had a taste of some person's apiary and desired more, as that is a bear's way; when he has had a whiff of honey he will try to get some.

This bear that I am speaking of walked into our apiary and carried two double story hives into the saw palmetto scrub. This was done on Friday night about midnight. On Saturday night he came again at about nine o'clock and mother was on the lookout for him. Father was not at home at the time for he had left for town on Saturday morning and did not intend coming back that day.

As father was absent mother thought she would have to keep an eye on him, and she would have some sport trying to surprise that bear. Before father left he fastened a little box about a foot square on a five foot stick and placed it in the bee apiary, and in this box he put a dish of honey, then he tied a string to the box and tied it to a little store house that stood about 50 yards from the apiary and told mother to smear the box well with honey on the outside in the evening, which she did. This box was put there to coax the bear to where he could easily be shot.

When evening came mother smeared the box and hid herself in the store house and watched the cord which would move when the bear fooled with the box.

Pretty soon mother thought she heard him licking the honey off the box and felt the cord move a little so she opened the door and looked out, but she could not see him. It was a moonlight night but it was cloudy and hard to see.

Mother decided she would get out and she walked to the south side of the apiary and sat down, and as she did so the bear jumped into the bushes, for he must have heard her. Mother sat very still and had her shot gun, which was loaded with buck shot, and waited for him. Pretty soon he came but did not go back to the box this time, but stopped at a colony of bees about 35 feet from where mother was. She was about to shoot when the moon went behind the clouds and she could not see the sight of the gun that time and the old bear made for the bushes again, although in ten minutes he was out again, this being the third and last time.

He started to take off a hive when mother aimed and fired at him and hit him right under the shoulder. He let go of the hive mighty quick and made a dash for the saw palmetto scrub, and as he did so he hit a 50 pound tin can that happened to lay in his way which made the biggest kind of a racket and caused him to run all the faster, and made him think the devil was after him and that his time had come at last.

Mother was satisfied that he would not take the trouble to return that night, so one and all retired. The next morning all of us hunted for the dead bear and set the dogs on his trail, but could not find any signs of him at all.

At about noon on Sunday father came home and mother told him that she had shot the bear but that we could not find any trace of him.

So father took the dogs and set them to hunt, but he found nothing except some blood on the bushes. A few days later we saw where some buzzards had found him. This was across on a little creek south-east from us. This creek is about 300 yards wide and it was a mystery how that bear ever did manage to go that distance with a broken shoulder.—Bear Hunter.

TOO BAD



Too bad any woman must wash a complicated cream separator. Too bad anyone is misled into thinking complicated bowls are necessary. Look at the upper picture. Those 52 disks were all used in one common disk machine that was discarded for a Sharples Dairy Tubular.



Look at the lower picture. It shows the only piece used inside the wonderfully light, simple, sanitary, easy to clean, wear-a-lifetime Sharples Dairy Tubular Cream Separator bowl. Any wonder Tubulars probably replace more common separators every year than any one maker of such machines sells? Tubulars skim faster and cleaner than any other separator.

Tubular sales exceed most, if not all, others combined. World's biggest separator works. Branch factories in Canada and Germany. The only modern separator —The World's Best.



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There may be *protein* in a food, but unless it is *digestible protein* it won't make eggs, nor furnish strength and vigor to the hen. We offer you in **Lee's Egg Maker** what the scientific poultrymen have been looking for. They knew what was needed. We furnish it. Proven by thousands who raise poultry for all there is to be gotten out of it—business poultrymen.

We guarantee it can be fed to the exclusion of *all* other forms of *meat* food at *less* feeding cost and with *better results* from every standpoint.

Price: 25-lb. pail, $2.00; 100-lb. drum, $7.00, freight paid in 100-lb. lots. Handled generally by merchants, but if *your* dealer doesn't have it, send your order direct to us.

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gives prices of 59 of the leading varieties of land and water fowls. Farm raised stock for sale; eggs in season. Send 2c for my Large 1910 Poultry Book.

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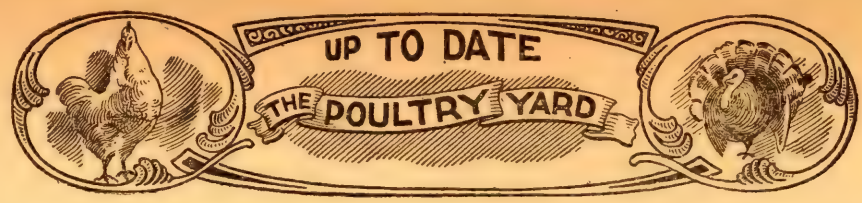
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PRIZE WINNERS

AS SEEN AT THE SHOWS

We write for the farmers, the broad gauge, great hearted average farmers, who may not centralize for special supremacy, but who are always on the hustle for something better. The average farmer and his family are not expected to devote themselves to prize winners in poultry, yet we have seen some of the very finest birds on the farms. And they could scarcely be called accidents either, for there is sometimes as wise selection and as careful breeding on the farms as in the purely scientific poultry yards.

But the average farmer and his family cannot always visit the great shows and familiarize themselves with the famous prize winners. The camera must help us supply this unavoidable lack in the educational opportunities of the great mass of farm poultry raisers. We give below pictures of some of the most famous birds in the world as illustrated in the leading poultry journals. Of course these pictures are not equal to the living, moving fowls that won honors from the judges and admiration from thousands of expert poultry men and women. Much of color and shading is lost, as is characteristic movements, attitudes, etc., but the general appearance and formation are given, so that a study of the pictures will give a good idea of what prize winning birds of the different varieties ought to be.

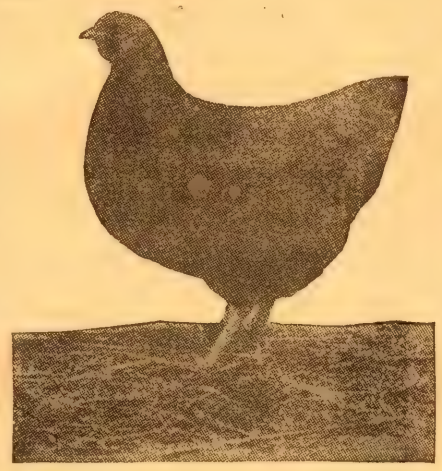
On this page we give, from the American Poultry Journal, an excellent picture of the first prize pen of White Wyandottes at the New York show last year. These birds are owned in Canada, and are considered the best of their kind in the world.

Below we give a good picture of a Single Comb Rhode Island Red Cockerel.



Single Comb R. I. Red Cockerel

This bird was used in the school on Rhode Island Reds at Springfield, Ill., to show the correct shape for that variety. Below is a typical hen of the same variety, that took first prize at the Indiana State Fair last September.



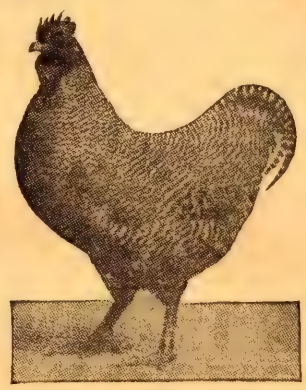
S. C. Rhode Island Red

Below we show a Crystal White Orpington hen that won first at the Jamestown Exposition, at Madison Square Garden, New York, and wherever she has been shown. She has been valued at ten thousand dollars:



Champion Crystal White Orpington

Next is the first prize Barred Plymouth Rock cockerel at the Wisconsin State show:



Barred Plymouth Rock Cockerel

We follow on next page with a typical Barred pullet, the illustration being of a Missouri prize winner:



First Prize Pen Single Comb White Orpingtons at Madison Square Garden, N. Y.

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It is best to buy this Bonded Incubator because you are absolutely certain to be satisfied with it and with the results it produces.

Sure Hatch Incubators

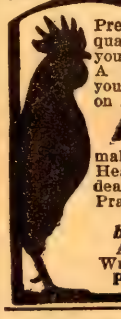
are **sold on 60 days' Free trial.** They are fully guaranteed and the guarantee is not only backed by the total resources of the Sure Hatch Incubator Company, but also by the Bankers' Surety Company of Cleveland, Ohio, with $1,000,000 capital and surplus. **This Company issues a Guaranty Bond on every Sure Hatch Incubator,** insuring the owner that we will live up to our liberal guarantee and this bond is actually sent to every purchaser of a **Sure Hatch Incubator.**

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and Almanac for 1910 has 224 pages with many colored plates of fowls true to life. It tells all about chickens, their prices, their care, diseases and remedies. All about Incubators, their prices and their operation. All about poultry houses and how to build them. It's an encyclopedia of chickendom. You need it. **Only 15c.**

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Farmers Society of Equity, at .....

..... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, cold storage house, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be received from this course.

NAME .....

ADDRESS .....

Let Me Send You a Queen



I am very much in earnest. I want to send you a Queen Incubator to try.

If you'll spend a cent in writing for my Incubator Book, I'll spend many times that much in furnishing it to you.

If you'll say you want to try a "Queen," I'll say "Go ahead and use it three months, and here it goes, **freight prepaid.**"

Then I'll go on and say, "**Examine** the Queen—compare it with all other makes—consider its highest percentage of hatches and the lusty, healthy chicks you get—how perfectly it runs and regulates itself—the oil expense it saves you—its absolute safety—and the **5 year guarantee** I give you. You can't get **Queen** results with anything but a **Queen.** I want you to learn this at **my** risk."

That's the fairest, squarest offer I know how to make. Send the postal now that gets my Catalog and Liberal Plan.

WICKSTRUM, QUEEN INCUBATOR MAN,
Box 19, LINCOLN, NEB.

A Town Lot is Big Enough

Poultry raising possibilities were never better. Profitable on small or large scale. Geo. H. Lee knows. He started in a small way. He now has 3000 laying hens. He invented the Mandy Lee incubator, the Mandy Lee Brooder, and all the appliances he could not buy. He experimented with his own money, not customers'. The



Mandy Lee Incubator

was offered to the poultry public when perfected, not before. Inexperienced can start with Lee's twenty years' successful work. Lee's "Chicken Talk," a book written by Mr. Lee himself, and his Incubator and Brooder catalogue are ready to mail. Both free. Send for them to-day. **There is no poultrymen's need omitted from this catalog. It is a complete showing of the things that made Mr. Lee a successful poultry raiser.**

GEO. H. LEE CO., 1121 Harney St., Omaha, Neb.

BUY THE BEST Metal Covered **Ironclad** TRADE MARK



125-Egg INCUBATOR and BROODER Both For $12.50

Absolutely fire-proof, weather-proof rat-proof. Hot water, double walls, double glass doors, copper tanks, self-regulating, high grade lumber. Only Brooder "Ironclad" all over. For indoor or outdoor use. Sold on "Ironclad" guarantee. Covered with **Galvanized Iron.** Don't buy—get our catalog first. Freight Paid



American Brooder Co., Box 47 Racine, Wis.

125 Egg Incubator and Brooder Both For $10

If ordered together we send both for $10 Freight paid east of Rockies. Hot water, copper tanks, double walls, double glass doors. Free catalog describes them.



Wisconsin Incubator Co., Box 89, Racine, Wis.

25c R. F. D. STEEL 75c

SWINGING GATES



Approved by Asst. P.M. Gen.

Handiest practical gate made. Will save every farmer its cost in one month in time, trouble and temper. The price is less than the same gate would cost elsewhere without its opening mechanism. **$6.50 $5.50**

If you wish, make the gate yourself or attach the opening mechanism to your own wire swinging gate. 75c pays for all ropes, pulleys, iron, etc., and full and complete plans for making.

Our gates are now in use in 40 states, and took **first** prize at the Illinois State Fair. They are made to use 365 days in the year. For 25c will send plans for making 5 rope actuatedgates. All good ones.

Write for circulars and further information.

THORPE GATE CO., Wapella, Ill.



Barred P. R. Pullet

We next give a White Plymouth Rock that as a pullet took first at Sac City, Iowa in 1908, and was one



White P. R. Pullet

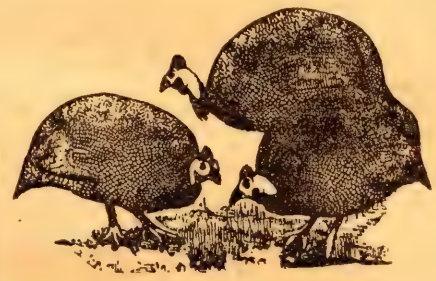
of the first pen at Iowa State fair and at Kansas City the same year.

From the foregoing pictures we believe our poultry loving readers may obtain a fair idea of the fowls that are taken to the fairs and shows, and of what good poultry ought to be. As we have before said in this department of UP-TO-DATE FARMING, the egg record is of more importance to farmers than the score card; but we want our readers to know the best, and those who aim for the best, no matter what it is, will have better than those who aim at nothing. Those whose only ambition is merely to live, and if they move at all to slide down hill, will never reach the point this paper has set for all its readers.

The Portland Commercial Club, of Portland, Ore., offers $5,000 in cash as prizes to those writing the best articles on the City of Portland, the State of Oregon and that section of the U. S. The first prize is $1000.00, and there will be 79 other prizes ranging in value down to $10.00. If you know anything about this section, here is an opportunity to earn some money. Address "Prize Contest," Portland Commercial Club, Portland, Ore., and mention Up-to-Date.

THE OLD FASHIONED GUINEA

The guinea is not so profitable on the farm as thoroughbred hens, but we always did like to see them around, perhaps it is on account of the large flock kept by my mother on the old farm of my boyhood. What vigilant watchers they are. Let a strange dog, or even a strange cat, or a strange person, enter the grounds, how vigorously is the fact made known. And when a hawk appears anywhere above the horizon, or an egg stealing crow, how quickly are the chickens informed of the fact.



Some object to this very noise, especially when the preacher or a friend from town happens to call, but it is not without its uses for all that. A flock of guineas is much more reliable than the family watchdog, at least in the day time, and they give notice of enemies the dog pays no attention to.

Guineas are great rangers. No place is too secluded for them to find it, and the harmful insects they destroy by making food of them cannot be told in figures. And they do not damage growing plants. Many times have we seen them sneaking through the garden, more alert than their human owners, quicker to see and quicker to catch the insects so disastrous there, themselves not harming a single plant.

Guineas are not all year layers. In fact, they lay but three or four months in the year, and seldom more than two or three clutches; but if their nests are carefully attended they are by no means indifferent layers during their laying season, and their eggs are of excellent quality. They are great nest hiders, and some object to them on that account; but the peculiar tah-tah-tah of the hen while on the nest easily betrays them. The eggs must not be removed from the nest with the hand, however. If they are the guinea will quit the nest. Take them out with a spoon or roll them out with a stick.

The young guineas are like young quail, hardy as wild birds, and require practically no attention. Indeed, they are so wild they will not accept attention. It would be better for both them and their owners, perhaps, if they would.

The guinea mothers, though, have the instinct of wild fowl, and know how to protect their young even in stormy weather. The important point for the owner is to teach them domestic habits as much as possible.

HIGH GRADE USED AUTOMOBILES

IT PAYS TO BUY A HIGH GRADE USED CAR. THE FACT THAT IT HAS BEEN USED DOES NOT MAKE IT INFERIOR TO A NEW CAR—IN FACT SO MUCH THE BETTER, FOR, AS A RULE, A CAR WORKS MORE SATISFACTORILY AFTER A SEASON'S USE, AND THEY LAST FOR YEARS, BESIDES COSTING LESS THAN CHEAP NEW CARS.

Send for our interesting Bulletin describing and giving prices on 1909-08 & 7 models of PACKARDS, PIERCE, OLDSMOBILE, PEERLESS, MAXWELL, RAMBLER, FORD, REO, THOMAS, WINTON, LOZIER, WHITE STEAMERS, STODDARD-DAYTON and ALL OTHER

STANDARD MAKES

OF WHICH WE HAVE CONSTANTLY ON HAND A LARGE STOCK

AT MARVELOUSLY LOW PRICES

TIMES SQUARE AUTOMOBILE CO.

LARGEST DEALERS IN THE WORLD IN NEW AND USED AUTOMOBILES

5 BIG HOUSES

KANSAS CITY . . . . . 1701-3 Main St.
ST. LOUIS . . . . . Cor. Pine and 18th St.
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2 Grand Prizes

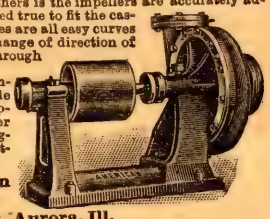
and 5 Gold Medals

all the Grand Prizes and all the Gold Medals given to Pumps by the Alaska-Yukon-Pacific Exposition at Seattle last summer, were awarded to

"AMERICAN" Pumping Machinery

The reason why "American" centrifugals attain higher efficiencies than others is the impellers are accurately adjusted and machined true to fit the casing and the flowlines are all easy curves with no sudden change of direction of fluid in passing through the pump.

"American" centrifugals are made in any size, equipped with any power and guaranteed rigidly. Complete Catalog No. 104 Free.



The American Well Works

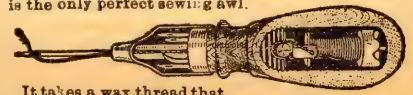
Office and Works: **Aurora, Ill.**
Chicago Office: First National Bank Building.

FOR MENDING HARNESS

shoes, tents, awnings, hydraulic hose, pulley belts, carpets, saddles, suit cases, buggy tops, dash boards, or for sewing any heavy material.

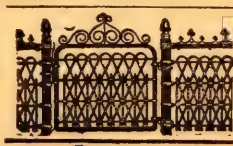
STEWART'S AUTOMATIC AWL

is the only perfect sewing awl.



It takes a wax thread that feeds from a spool and will do the same work as any $250 Harness maker machinery. It is an indispensable tool for farmers. Agents wanted everywhere. Sent prepaid for $1.25. Send at once for descriptive circular.

STEWART-SKINNER CO.,
19 Gardner Terrace Worcester, Mass.



LAWN FENCE

Many designs. Cheap as wood. 32 page Catalogue free. **Special Prices** to Churches and Cemeteries.

Coiled Spring Fence Co. Box 418 Winchester Ind.

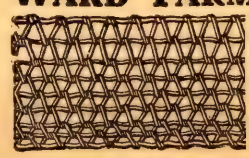


LAWN FENCE

Many Styles. Sold on trial at wholesale prices. **Save 20 to 30 per cent.** Illustrated Catalogue free. Write today.

KITSELMAN BROS.
Box 384 **Muncie, Indiana.**

WARD FARM FENCE



40 carbon spring steel, extra heavily galvanized. 30 days' free trial. Freight prepaid. Complete free catalogues on Farm, Poultry and Ornamental Wire and Wrought Iron Fences. **Write now for special offer.**

The Ward Fence Co., Box 331 Decatur, Ind.

ALL HORSE-COLLAR TROUBLES NOW PREVENTED OR QUICKLY CURED

EVERY horse-owner who will now consider the practical saving in valuable time and horseflesh by using a set of Whipple Humane Horse Collars to **prevent** all collar troubles, will certainly buy a set with his spring harness. Or get a set to cure your sore horses **while they work.** Our success for four years proves this. Investigate.



Come Complete With Short Tugs

RUST-PROOF GALVANIZED and JAPANNED

Whipple Humane Horse Collars

It's a fact that only one set of Whipple Humane Horse Collars on a farm will **cure up,** and **keep cured** of collar troubles, all your horses. **Don't** use "sweat pads"—it's cruel—especially in hot weather—injures your horses; and, besides, the sweat pads **cost you more than most collars** before you get through. You **don't need** them with these collars. Every set comes complete with short tugs and ready to use—less trouble to put on and take off—and **fit any horse** perfectly **all the time** by simple adjustment. Built to last for years by expert workmen, and durable materials.

OVER 100,000 IN USE—Sold By Over 5000 Leading Harness Dealers—or Direct—
If your Dealer Hasn't Got Them Yet, WRITE TODAY

GET OUR HORSE-COLLAR Book FREE

Address Our Nearest Factory.
HUMANE HORSE COLLAR CO.
Factory, 1998 S. 13th St., Omaha, Neb.
Factory, 1649 Lowe St., Chicago Heights, Ill.

Send me your Free Book, "Horse Collar Sense," and Testimonials, Telling How I Can Protect or Cure My Horses from all Collar Troubles with the Whipple Humane Horse Collar. Also Tell Me the Price of One Set.

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Send us your name—by postal, letter or the Free Coupon here, and let us prove to you that this is the greatest practical invention in horse collars of the age. Every set sold on satisfaction guaranteed or money back. **No more** sores—galls or bruised shoulders. **No more** wasted time. **No more** loss of valuable horses ruined by sores, bunches or diseased shoulders. **No more** sweenied colts either—can't be. Tell you why. You'll see it in a minute from our Free Book "Horse Collar Sense," or by examining Whipple Humane Horse Collars at your harness dealer's.

DON'T THINK OF BUYING YOUR SPRING HARNESS UNTIL YOU WRITE OR FULLY INVESTIGATE WHIPPLE HUMANE HORSE COLLARS—GET OUR BOOK FIRST.

HUMANE HORSE COLLAR COMPANY
1998 South 13th Street, OMAHA, NEBRASKA
1649 Lowe Street, CHICAGO HEIGHTS, ILLINOIS

DO GEESE PAY

Anything in the line of poultry pays, or can be made to pay, if managed with anything like the care and judgment required to make other lines of farming profitable. The demand for geese is not nearly supplied, and the succeeding years seem to diminish rather than add to the supply. In beds many substitutes for feathers have been adopted, but still feathers find a ready market, and there is a growing demand for geese for their flesh for food.

Geese are troublesome on the farm when they cannot be confined to their own quarters, but in this day of woven wire fences that trouble is reduced to the minimum. The goose is a forager, though not much of a scavenger. In a suitable pasture, it easily makes its own living during the growing season, and during the winter about the barn lot it makes food of much that would otherwise go to waste.

Goslings are hardy, and grow rapidly, needing little attention, except that they need to be protected from hard summer rains, else they are liable to drown themselves by standing erect, with their bills pointing upward, so that the water runs into the nostrils and smothers them.

Ponds or running streams are helpful, but not necessary. Access to water in troughs or vessels answers every purpose. The old fashioned or common gray goose is perhaps the hardiest, and most readily adjusts itself to all sorts of treatment and conditions, but the Toulouse, large, plump and docile, is justly a favorite.

THE FENCE THAT LASTS

There isn't anything that the farmer buys in which a mistake is more hopeless than in wire fence. The Brown Fence & Wire Company, Dept. 70, of Cleveland, Ohio, is sending out some interesting literature on wire fence. They point out very clearly that a fence like a chain is only as strong as its weakest part. They moreover show that in recent years much of the galvanizing that has been done is hardly worth the name galvanizing at all. We know everyone of our readers will be interested in what Mr. Brown has to say on this fence question. Send to him for his little book. It will open your eyes.

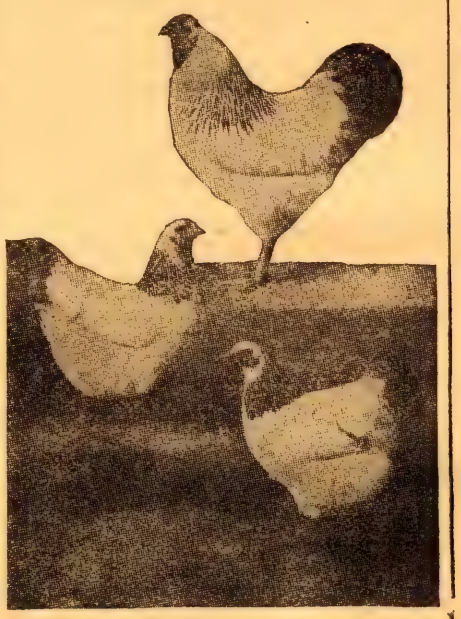
BETTER THAN LUMBER

We understand that there has been a tremendous increase in the use of Reo Shingles, manufactured by the Edwards Manufacturing Company. This statement echoes the reports received in Washington in connection with the dearth of wood and lumber materials. Also much farm interest is attached to the announcement of a national authority that steel shingles do not attract lightning, which of course has led to a general adoption among hitherto skeptical farmers and in a measure solved their lumber problem.

Agricultural authorities commend the $10,000 guarantee bond against lightning issued by the Edward Manufacturing Company, as set forth in their 1910 book. The book is sent free upon request to the Edwards Manufacturing Company, 112-142 Lock St., Cincinnati, O.

Ever hear of Sam Thompson? He's the President of the Nebraska Incubator Co., 518 Main St., Fairfield, Neb. Right now he is making an extraordinary offer on his incubators. In order to demonstrate to the entire satisfaction of poultry raisers the complete reliability and value of his machines, he offers to send any reader of UP-TO-DATE FARMING one of his machines, and allow two full hatches to be made. Then if they did not do just as he said, fire it back at his expense. Nothing could be fairer than this, and if you are in need of an incubator, here is a chance to get a good one.

Are you ever troubled with Roup or Cholera in your chickens? There is little doubt but that these two diseases carry off more poultry than all other diseases combined. Hence how very important it is to have a reliable cure where it can be used at any time. There are possibly other cures, but a most effective one is Germozine, made by Geo. H. Lee Co., 1121 Harney St., Omaha, Neb. Write to this company for a copy of "Lee's Chicken Talk," a valuable booklet, giving much information regarding Poultry, and telling all about Germozine.



First Prize Columbian Wyandottes

WILL AN INCUBATOR PAY?

The answer is "yes" most decidedly if you get the right incubator and run it right. It takes about equal proportions of these two factors to get results.

Of all the hatching machines on the market there is none more dependable and reliable than the Victor Incubator and Brooders. They are made by the George Ertel Co., 139 Kentucky St., Quincy, Ill., whose ad will be found elsewhere in this issue. They have been selling incubators to the readers of UP-TO-DATE FARMING for many years and we have yet to receive the first complaint. It will pay you to write to Ertel and get their new catalogue.

My New Fairfield Incubator

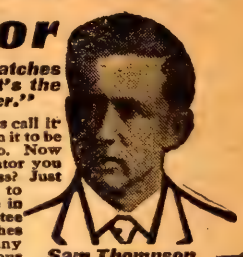
Don't Kill The Hen That Lays The Golden Egg

By setting her to hatching chicks. You can't afford it. Keep your hens busy laying and let the Fairfield Incubator and Brooder hatch and raise your chicks for you. They will do it a lot better, easier and cheaper. The Fairfield never leaves the nest in the middle of the hatch like your hens and some inferior incubators do. Its the world's best hatcher—my customers say so. Let me prove it to you at my risk.

I Want You To Try My Incubator Two Hatches FREE

Try the Fairfield first before you buy any other style or make. You can do it if you wish for two hatches free at my risk, in your own home with the money in your own pocket. It's the safest way to test our Incubator. The sure way to get what you want.

Will give you the largest hatches and healthiest chicks. It's the "World's Best Hatcher."



Sam Thompson

That's what my customers call it. Their experience has proven it to be all that for them and you too. Now isn't that the kind of Incubator you want in your poultry business? Just let me send you a Fairfield to try for two full hatches free in your own home. I guarantee it to give you bigger hatches and better chicks than any other Incubator made, or your money back and I will pay the freight. You can't beat this offer anywhere. You can't beat the Fairfield Incubators and Brooders at any price. Let me prove it to you at my risk. Write for catalog and special free trial offer today.



No Incubator on the Market Like Mine. The Fairfield is made out of California Redwood, Copper Steam and water patented heating system. Perfect regulator. Best lamp in any Incubator made. Large roomy nursery and egg chamber. Double doors. Unobstructed top. In every way as good an Incubator as you can buy at any price. Our direct-to-you-price saves you one-third to one-half. Write for new catalog and special offer today. Address

Write Today For Catalog and FREE TRIAL PROPOSITION---Don't Buy Until You Get It.

Sam Thompson, Pres., Nebraska Incubator Co.
518 Main Street,
Fairfield, Nebraska.

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—Save All The Work of Harrowing
—Make The Most Perfect Seed Bed

ALL by going over the field **once only** with your sulky, disc or gang plow and the Kramer Rotary Harrow Attachment. It levels, pulverizes and makes a mulch of the "moist soil" that is not possible after the ground dries and "sets." Use the original and only successful machine of its kind,—The

Kramer Rotary Harrow Attachment



Awarded Gold Medal and Diploma at A. Y. P. Exposition, Seattle. Also Diploma by Dry Farming Congress Convention, at Billings, Montana. So light-running that horses hardly notice additional draft. Made in styles and prices to suit every farmer. Implement Dealers everywhere sell on easy and reasonable terms—no freight to pay.

Write Now For Free Book

telling about this wonderful implement, which effectively combines all the functions of the Harrow, Packer, and Pulverizer, in preparing a perfect Seed Bed. The Kramer Attachment is the greatest success of many years. Recommended by Departments of Agriculture everywhere. Don't delay, but ask for Free Book No. 40 and special prices.

THE KRAMER CO., Paxton, Ill.

Here at Last is the Perfect Incubator



100 EGG Incubator $7
CHICK OUT DOOR BROODER $4
BOTH FREIGHT PREPAID $10

The greatest hatching machine ever built. Result of 20 years study and experimenting. Thousands in successful operation. Sensational results achieved. Poultrymen simply wild over results. News of phenomenal hatches the topic of conversation everywhere. Oldest and most experienced heads amazed. **Thousands starting in business.** All making money raising chickens for market—breeding—selling. No speculation. No doubt. We take all risks.

107 CHICKS FROM 108 EGGS

Mrs. Peabody got 107 live, strong, sturdy chicks from 108 eggs. Writes: "I'm greatly delighted. Advance the greatest incubator out. **Making lots of money."** Hundreds of enthusiastic letters pouring in. Read a few elsewhere.

Two Hatches Free. 5 Year Guarantee

with every machine. Has double wall with heavy wool felt lining. Perfect hot water system. Copper tank, self-regulating lamp and thermometer. No trouble. Less oil needed. Ventilation perfect, insuring big healthy hatches, strong healthy chicks. Substantially built—best material. Stands years of use. Built on scientific principles by experienced men. Each machine thoroughly tested before shipment. Biggest money maker out. Pleasant, easy work. Start in independent business. Demand never supplied. Advance does all the work. You just take profits. Begin now. Don't wait. Be first in the field. Make these big profits. Never will opportunity be greater. Never a better time than now. Remember our guarantee is back of every machine. **CATALOG FREE. WRITE NOW.**



OUT-DOOR BROODER.

Read Here What Users Think of the Advance Incubators

I am well pleased with my incubator. I have had three hatches averaging 100 chicks from 110 fertile eggs.—Mrs. E. J. Birkhead.

With your O Special Incubator I hatched 49 chicks from 52 eggs. Think this is fine.—H. Cavany.

I wish to say that the Advance is perfection. Out of four hatches it averaged 90 per cent. The chicks were all strong and healthy. I raised all of them—W. H. Weslor.

I must tell you how well I like the Advance Incubator. I made three hatches with it. One gave 96 per cent; one 92 and one 100 per cent. Who can beat this record.—Mrs. J. G. Dell.

I had never seen a real incubator till I bought one of yours. It beats everything in town. There are five others here, but the advance tops them all.—Henry Stevens.

I think the Advance Incubator purchased of you is fine. My chickens are as strong as any I ever had. You are at liberty to use my name as reference.—Mrs. D. D. Parish.

The Advance Incubator I bought of you last Spring has given perfect satisfaction. In three hatches we hatched nearly every fertile egg. It is a pleasure to use the Advance and I feel I can highly recommend it.—S. Berge.

ADVANCE MFG. CO., Box 108, Dayton, Ohio



To Fence Buyers

I Want to Send You This Free Book

before you buy a rod of fence. Take my word for it, it will pay you to give me the chance. It's a book about

EMPIRE

All-No.-9 Big Wire Fence

I've had my say about fence in this book and I want you to read it. Most profitable fence in the world to buy, as I'll show you.

THERE'S A NEW THING ABOUT IT

It's now sold **delivered** to fence-buyers everywhere—not just in certain sections, but **everywhere in the U. S.** Plainly priced in the book (factory prices) and the factory pays the freight to your railroad station.

Send me a card or letter for book right away. I'm going to send out 45,000 of these books to farmers this fall, but I'll get them out promptly. Address FARMER JONES, Fence Man for

BOND STEEL POST CO.
31 E. Maumee St. Adrian, Mich.

A Sample of PAGE FENCE-FREE!

Let us send you an actual sample of Page Woven Wire Fence and our valuable Quarter Centennial Catalog Free. See the real Page Wirel Examine the method of weaving the wonderful Page Knot—**the Knot that can't come off!** Study the many styles of Page Fence and the Panorama of Pictures showing extreme tests which this splendid fence withstands. Read how, in our great mills and factories, we **put elasticity, tensile strength and durability** into High Carbon, Basic Open Hearth Steel Wire. Learn what this means in **economy.** Specified by U.S. Government as standard of quality. Approved by a million farmers. Write at once for Free Sample of Page Fence and Grand Quarter Centennial Catalog.

Page Woven Wire Fence Co.
Box 249A Adrian, Mich.

When writing to advertisers don't fail to mention Up-to-Date Farming.

14¾ Cents a Rod

For 22-in. Hog Fence; 15 3-4c for 26-inch; 18 2-4c for 31-inch; 22c for 34-inch; 25c for a 47-inch Farm Fence. 50-inch Poultry Fence 33c. **Sold on 30 days trial.** 80 rod spool Ideal Barb Wire $1.55 Catalogue free.

KITSELMAN BROS.,
Box 289 MUNCIE, IND.

FREE

Tea Spoons

Do you want a dozen?

These Spoons are very beautiful. Each spoon is nicely embossed with the above design. They are made of a metal called silveroid that looks like *pure* silver, & it carries its high finish indefinitely. These are very good and serviceable spoons and on our offer are a rare bargain.

OUR OFFER: We will give one dozen of these teaspoons as a reward for a new or renewal subscription 2 years for 50c.

Up-to-Date Farming
Indianapolis, Ind.

Garnered Thoughts About Poultry

It is time to think about eggs for hatching. If you buy, buy the best. If home eggs are used, be sure to set from none but the most vigorous and best laying hens.

Poultry raisers need now have little fear of over production. The demand for poultry products is permanent.

To have great success, don't neglect the littles.

The most pressing duty just now is to clean out the poultry house and renew the nests.

Resolve to know the best layers and to breed up a laying strain.

An occasional feed of meat scraps is conducive to egg production.

If you live near a large town a special trade with private customers will beat the open market.

Wheat in the morning and corn at night is a good ration for laying hens.

Trash from the mangers where the horses are fed hay is valuable to scatter in the poultry house.

Experience teaches that, for the most vigorous chicks, it is best to mate mature fowls, year old roosters with hens.

Hens that run about the stock barns find much of the needed elements of egg production.

Don't feed the young turks too soon after they are hatched. Some wait until they are 48 hours old. It is easy to feed young turks too much. Pepper with their feed occasionally is a healthy condiment.

Silver Spangled Hamburgs are favorites with many breeders. They are beautiful birds, as good layers as Leghorns, active, vigorous and splendid foragers. But they are small in size.

Hit or miss generally misses in the poultry business. There should be order and exactness in everything. Know where the fowls roost; know where they range, and know where the hens lay. Gather the eggs carefully from every nest every day. Some favor visiting the nests twice a day, just before noon and about dusk.

Keep the nests fresh and clean. Never think of setting a hen without renewing the nest entirely. This is urged not only for the comfort of the hen, but for success with the expected chicks.

In cold weather keep the eggs in a warm place, and market often. In hot weather keep the eggs in a cool place, and market often. None but fresh eggs should go to market.

Don't grease the setting hen to destroy vermin. If the eggs become greased the effect is the opposite of washing. The natural pores of the shell are closed, and, for lack of air, the germ or embryo chick perishes.

Corn is the very best feed for setting hens, but they should not be fed on or near the nest. They need exercise and a dust bath, and a little green stuff, and some grit, perhaps, they may pick up on their brief daily outing. Always have water where they can easily find it.

It is not good to give very young chicks cold water; it is liable to injuriously affect the bowels.

Lime is almost a necessity about the poultry house, the poultry run, or where the fowls can have easy access to it.



First Prize Pen White Wyandottes, N. Y. 1909.

Shut 'Em Up!

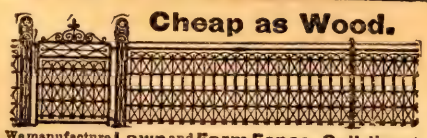
Use WARD'S Diamond Mesh poultry fence and never a chick will get out. Protects them from weasels, skunks and other "varmints." Don't rust, solid and durable as a brick wall; it even turns stock; stretches tight and smooth without top or bottom board. Shipped from our factory here, on 30 days free trial, freights paid. Send now for Free Catalogue and special low prices.

The Ward Fence Co., 683 Decatur, Ind.
Mfrs of Ornamental Wire and Ornamental Steel Picket and Don't Rust Farm Fence.

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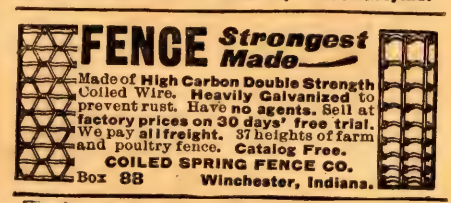
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Let us prove to you that Brown Fence will outlast any other because of heavier wires and **heavier galvanizing.** Investigate before you buy. **160 styles** for all purposes. **15c per rod up—We Pay the Freight.** Send today for prices and free sample of all No. 9 Rust Proof fence.
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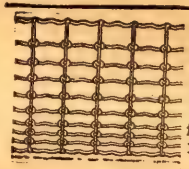


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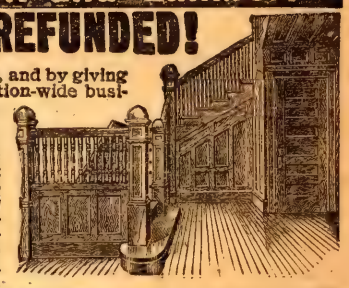
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We have satisfied customers in almost every township of every state in the Union. We undersell everybody in our line because we sell direct to the users, with no middle profit to pay and no "Human Expense Accounts" (traveling salesmen) to carry on the pay roll. Every item is guaranteed up to the official grades adopted by the Sash & Door Manufacturers' Associations.

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Check off on the coupon below the catalogs you wish sent free and mail at once while this big Record-Breaking Sale is on.

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We assure prospective customers that they are perfectly secure in sending the money with their orders, as we understand that if goods are not entirely satisfactory they may be returned at shippers' expense and the money will be promptly refunded.

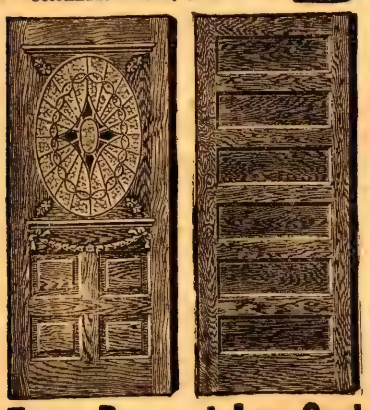
The officers of this company are well and favorably known to us, and may be relied upon to do exactly as they agree.

Yours very truly, J. H. HASS, Cashier.

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$1.25
Per Roll of 108 sq. ft.
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60c
for 4-light Check Rail **WINDOWS**



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Think of buying good, strong Doors for 77 cents! Check Rail Windows for 60 cents! Barn Sash for 39 cents! Transoms for 33 cents! Colonial Porch Columns for $1.85! Corner Blocks for 2 cents! Hot-Bed Sash for $1.69! Our prices on Millwork cannot be duplicated anywhere in America.

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A new Stair or Porch, a Mantel, Beamed Ceiling, Plate Rail, etc., will make a vast improvement.

The Free Catalog abounds in suggestions for making homes more attractive.



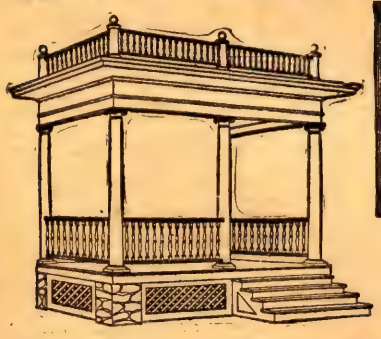
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Take advantage of this opportunity to put up that new house, barn or other farm building while these low prices are in force. Prices are going up everywhere. You save big money by prompt action. Don't wait until we are forced to advance prices.

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We save you 50 per cent on Columns, Newel Posts, Spindles, Rail Buckets and everything necessary to build any size or style of Porch. See catalog.



Porch Brackets **7 cts.**

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Over 50 Free Designs of Houses, Cottages, Bungalows; Farm, Dairy and Cattle Barns; Corn Houses, Granaries, Cattle Sheds, Hog Houses, Wagon Sheds, Implement Sheds, Cribs, Automobile Houses, Poultry Houses, etc., etc. 10c only for postage.

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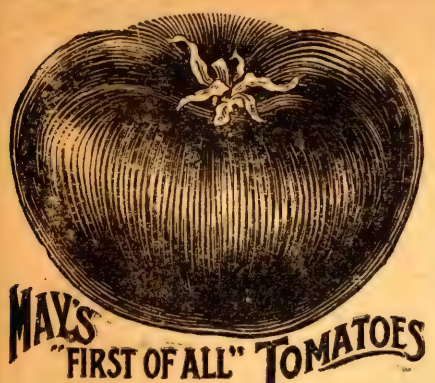
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Matures a week to 10 days ahead of any other known variety; fruits of good size, smooth, solid, bright red color and finest flavor. Although a large number of so-called early sorts have been introduced of late years, *on test*—side-by-side—not one has equalled FIRST OF ALL for earliness, hardiness, size and uniform shape.

Price, Large Packet, 10c. Ounce, Postpaid, 40c

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Made to build New Business. A trial will make you our permanent customer.

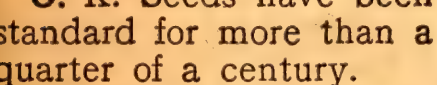
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to cover postage and packing and receive this valuable collection of Seeds postpaid, together with my big Instructive, Beautiful Seed and Plant Book, tells all about the Best varieties of Seeds, Plants, etc.

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A Great Curiosity for garden or yard, just what you want, grow from seeds in 4 months, will climb an arbor, porch or any support 10 to 15 feet, vines completely loaded with large clusters of fruit, size of grapes, flavor of tomatoes, red in color, excellent for preserving.

Lemon Cucumbers, a splendid fruit, grow on long vines in great abundance; color, shape and size of lemons, quality equal to the best cucumbers.

Early June Cabbage is the earliest of all, forms good size heads in June.

Early July Tomato is very smooth, bright red, ripens in North by July 4th.

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To introduce our seeds we will mail one trial packet each, all 4 pkts. in Coupon Envelope for 4c, and coupon envelope will be accepted for 6c in pay for any seeds we offer in our catalog.

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O. K. Seeds have been standard for more than a quarter of a century.

Join the thousands of successful farmers who plant O. K. Seeds year after year and reap abundant harvests.

Garden, Field and Flower seeds.

Catalogue ready. Send for copy—Free.

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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

In this issue I am presenting to my readers an epitome of orchard work for the coming season. There is much more that I could have added of value; but, **until you give me that additional page,** I must leave out some good things for want of space. Will you help to give it to me **by getting your share** of the 25,000 additional subscribers I need? Cannot you get **at least ten at 25c.**

I WANT THEM SO BADLY FOR YOUR BENEFIT.

SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

Publications Received.

SWEET PEAS UP-TO-DATE, by Geo. W. Kerr, the sweet-pea expert of W. Atlee Burpee & Co. This is the best exposition of the culture and nomenclature of the sweet pea I have seen. The cultural directions are those I have been teaching for twenty years, and are followed by Messrs. Chas. Larrowe of Cohocton, and Edgar A. Higgins, of Avoca, New York, America's' greatest grower-specialists, who take the lead at the flower shows. The list of varieties, good, and otherwise, is very complete, and is in such shape as will enable the amateur to make a selection of the best. Every lover of sweet-peas should have a copy. *Free if you mention* UP-TO-DATE FARMING. W. Atlee Burpee & Co., Philadelphia, Pa.

THE ORCHARD

Annual Orchard Number

My Department in this issue will be devoted exclusively to matters of benefit to, and affecting, the orchard, which includes all fruit that grows on trees. In a future number there will be a special exposition of SMALL FRUITS distinctively. This issue will be of great value to the fruit-grower, and the paper should be carefully preserved for reference, and shown to your neighbors interested in fruits, **who are not already subscribers.**

Spring Spraying.

It having been definitely settled to the large cost of the doubting orchardist, that the necessity of spraying exists, it but remains to learn the proper times in which to do it, and the sprays to apply. That is the province of this article, and all the directions, as well as the formulas given, are standard.

In order to treat the orchard systematically and economically, the fruit grower should map out a scheme covering the season's work. The following has proven efficacious in the latitude of Indianapolis and, as to dates, must be varied as the orchard lies North or South of that latitude.

SCHEME OF SPRAYING

First application when buds open —prior to blossoming.
Second application as petals fall.
Third application seven days later.
Fourth application three weeks later.
Fifth application June 25.
Sixth application July 17.
Seventh application August 11.

It must not be presumed that all these applications will be required in any one orchard. The degree of infection, and the kind of infectors must govern that, but all are given, as, if applied in case of need, they will keep the orchard free from all insects and diseases during the whole season, and guarantee a full crop of finest fruit.

San Jose and Other Scales

This is probably the most widespread of all the pests which afflict our orchards, and requires the most persistent treatment. Once the trees are rid of it, annual treatment will keep it in check. Use SCALECIDE according to directions, or the following home-made spray:

Lime-sulphur-arsenate-of-lead Wash

15 pounds fresh lime,
15 pounds flower of sulphur,
3 pounds commercial arsenate of lead,
50 gallons (1 barrel) water.

Lime-sulphur wash may be prepared in fifty gallon quantities in the following manner:

In a forty gallon iron kettle heat 12 gallons of water nearly to boiling. In a separate vessel mix 15 pounds of sulphur, either of flour of sulphur or flowers of sulphur, with enough water to make a thin paste. Pour the paste into the heated water and when the mixture is just below boiling put in 15 pounds first-class lump lime. Add cold water from time to time as the mixture threatens to boil over. After the lime has completely slaked, boil the wash for one hour, stirring almost constantly to prevent caking on the sides of the kettle. Then strain into the spray tank and add sufficient water, either hot or cold, to make up a total quantity of 50 gallons of the mixture. Double this quantity of lime sulphur wash may be prepared with a forty-gallon kettle by using double the quantity of lime, sulphur, and water given above. Lime-sulphur wash should be handled in wooden vessels, as far as possible, and the spray pumps and hose should be cleaned at the end of each day's work, by pumping clear warm water through them.

This should be the first spray applied, and it should be done **before the growth starts in the spring,** and every limb, twig, and bud, should be thoroughly coated. If the application is thorough, and not done too early in the season, the arsenate being in this wash, the first spraying noted in the above table may be omitted, but it would be better not to do so, if the expense can be borne, especially in the case of those who are treating orchards which have not heretofore been treated. It must be understood that the lime-sulphur wash in its various forms must not be applied while the trees are in leaf. This wash will kill the following pests: San Jose, Oyster-Shell, Putnam, Forbes, and Scurfy scales.

The First Application.

(See table above.)

This application, which is made just before the buds open, is an important one, and it should be very thorough. The spray mixture should be ready, and the buds watched closely, and at just the proper time, let it be applied, as thoroughly as possible. Every bud and twig should have a good coating of the spray. This spray is intended primarily for Apple-scab, or any fungous disease which may have attacked the trees and found a lodgement since the previous season's spraying. Below is the formula for the spraying mixture which should be used:

Copper sulphate, 5 pounds,
Quick-lme, 5 pounds.
Arsenate of lead, 3 pounds,
Water sufficient to make 50 gallons.

This spraying will catch the first of the coddling moths, and render surer the work of the

Second Application

which is made from the same mixture and is applied just as the petals fall. This should be taken to mean just what it says. On the account of the injury to the bees, whose aid we need in fertilizing the blossoms, **no just and humane person will spray while the blossoms are open,** and the flow of nectar is on; but you can be sure that when the petals fall, in clouds, there is no more nectar being secreted, and no more bees working on the trees, and just at that moment the second spraying should be done, as this will prevent the laying of thousands of eggs in the calyx of the embryo apples, which is hard to prevent, if, as is often the case, you await until the blossoms are all off the trees, and then leisurely go about the work. The reason many fail to get results from spraying is that they are not up to the necessity of prompt action at just the critical moment. This application is intended primarily to catch the main crop of coddling moths, canker-worm,



SUNBERRY—THE IMPROVED WONDERBERRY

LUTHER BURBANK'S GREATEST CREATION. A Luscious Berry Ripening in Three Months From Seed

SEED 20 CTS. PER PKT. 3 PKTS. FOR 50 CTS. POSTPAID.

This is positively the GREATEST new Fruit and the best NOVELTY of modern times. These are facts which no one can get away from. The proofs are overwhelming in number and conclusive in character. Grown last year by 350,000 people.

Fruit blue-black like an enormous rich blueberry in looks and taste. Unsurpassed for eating raw, cooked, canned or preserved in any form. This great garden fruit is equally valuable in hot, dry, cold or wet climates. Easiest plant in the world to grow, succeeding anywhere and yielding great masses of rich fruit all summer and fall. The greatest boon to the family garden ever known. Leaves and branches are also used for greens and are superb. Everybody can and will grow it.

Luther Burbank of California, the world famous plant wizard, originated the Wonderberry and turned it over to me to introduce. He says of it: "This absolutely new berry plant is of great interest and value as it bears the most delicious, wholesome and healthful berries in utmost profusion and always comes true from seed."

READ my Catalogue for full description, culture, uses, etc. Also scores of testimonials from well-known and reputable people all over the country. Read the "Crime of the Wonderberry."

THE SUNBERRY is an improved form of the Wonderberry which proved so satisfactory last year. It is greatly superior to the original type, and I alone have genuine seed.

SEED **20c. per pkt.; 3 pkts. for 50c.; 7 for $1.00.** *Agents Wanted, $12,000 in cash offers.*

With every packet of seed I send a booklet giving **99 Receipts** for using the fruit, raw, cooked, canned, preserved, jellied, spiced, pickled, jams, syrup, greens, etc. It is superior for any of these uses. **Also a copy of my 152-page Catalogue with every order.**

MY GREAT CATALOGUE of Flowers and Vegetable Seed, Bulbs, Plants and Rare and New Fruits **FREE** to all who apply. 152 pages, 500 illustrations, and colored plates. I have been in business 35 years and have half a million customers all over the country. Complete satisfaction guaranteed to everyone. Do not fail to see the many great Noveltives I am offering this year of which the **SUNBERRY** is the greatest ever known. *Address,*

JOHN LEWIS CHILDS, Floral Park, N. Y.

P. S. This offer will not appear again. Write for Sunberry seed, and Catalogue at once.

tent-caterpillars, and any remaining apple-scab fungus.

Third Application

This application, which should be of the Bordeaux-arsenate mixture given above, or, if desired, each separately, is primarily intended to catch the remaining coddling-moths, and the first of the leaf-eating insects, should be put on with the finest of the **Vermoel** nozzles, as every twig and leaf should have a thin coating of both the Bordeaux and the arsenate, in order to not only kill any remaining spores of the fungus, but to catch the early leaf-eating insects, which will be by this time commencing to feed on the foliage. This will bring us to the first week of June in the latitude of Indianapolis, and the time has arrived for the

Fourth Application

This application is purely an arsenate one, and is made as follows:

Arsenate Mixture

2 pounds of arsenate-of-lead,
3 pounds of good quick-lime,
Water to make 50 gallons.

The lime should be dissolved to make what is known as "milk-of-lime." Dissolve the arsenate paste thoroughly in enough water to make a very thin paste. Mix it in the lime-milk, and put all in the water and stir well. It must be kept agitated well while using.

This spraying is intended to catch the first of the **curculio,** and all leaf-eating insects, and should be applied with a fine nozzle in the most thorough manner. It is impossible to grow fine apples unless the curculio are killed and the worst trouble is caused by the early horde which spreads devastation over the orchards. Hence the necessity for the utmost thoroughness in the application of this spray.

Fifth Application

About the third week of June, the critical time for all orchards, which are infected by **Bitter-rot,** will have arrived. This is one of the most subtle and destructive of all orchard diseases, for no matter how thoroughly you have eradicated the various scales, moths, and curculio, your work will be nullified if the fruit is attacked by Bitter-rot. It has been reported as epidemic in the middle West, and in the middle and New England states. It causes the decay both of green and ripe fruit, and its spread has been very largely brought about by the practice of leaving on the trees the dried up specimens killed by the disease the previous year. All diseased apples should be removed and burned as soon as discovered, as there are spores enough in one apple to infect a large orchard. If there are any dried fruits on any of your trees remove them before any spraying is done. For the Bitter-rot use the following spray:

Bordeaux Arsenate Mixture

Copper sulphate, 5 pounds,
Quick-lime, 5 pounds,
Arsenate-of-lead, 2 pounds,
Water, 50 gallons.

Dissolve the copper in a little of the water and the arsenate-of-lead in enough to make a very thin paste. The lime should be dissolved in enough water to make "milk-of-lime," and all then stirred in the remaining water. The arsenate is put in in order to catch the second crop of curculio, and the first of the second crop of *coddling-moths.* The mixture must be kept well agitated while being used, or some of the foliage will be discolored, *but not injured.*

Sixth Application

About the middle of July, varying, of course, according to the latitude, the sixth application should be made of the Bordeaux-arsenate solution. This is intended to catch the late-comers of the second brood of coddling moths, various leaf-eating-insects, Bitter-rot, Leaf,spot, late Apple-scab, and Fruit-blotch, most of which affect the growing fruit, and which, if not kept in check, will nullify all previous efforts. It should be very thoroughly done. A month later, varying, as before, with the latitude, the **apple-tree-aphis** will be in full vigor, and it will be time to give the last spraying with:

Kerosene Emulsion

One-half pound Whale-oil soap,
2 gallons kerosene oil,
1 gallon soft water.

Dissolve the soap in the water heated to boiling. Remove the water from the fire, and add the kerosene to the hot mixture, churning or stirring it violently at the same time. The mixing can be done most effectively by pumping the emulsion back upon itself through a hand force pump of the bucket type. Continue the mixing until a creamy emulsion, which shows no free oil on the surface, is obtained. The emulsion made in this way will keep indefinitely. The amount of kerosene emulsion made by the above formula should be diluted with 27 gallons of water making a total of 30 gallons of spray mixture; that is, 1 gallon of the stock kerosene emulsion to 9 gallons of water.

This is intended as a remedy, and not as a preventative, as its virtue consists in its caustic action on the soft bodies of the lice, (aphides) on which account, in order to get the best effect, be sure that the crop of lice is all hatched, which is usually the case by the middle of August in the latitude of Indianapolis. The application must be very thorough, and by a fine nozzle, as a thin coating is all that it needed, and a heavy one might blister the foliage. Experience has shown that the making of good emulsion is quite an art, and if you have not the appliances at hand, or are good at it, it will be better to buy the stock solution from a reliable dealer, or use SCALECIDE, according to directions.

Alternative Spraying

The above spraying schedule is the **extreme one that will be required** by the worst infected orchard, and I now will tell you what it will be safe to omit under varying circumstances. I would not omit the spraying for the **San Jose** and other scales, for, even if you did not have them last season, your trees may be infested by the returning birds if not sprayed early—**it is tree insurance which pays well.** In the Lime - sulphur - arsenate - of - lead-wash, given as "Application number one," you will understand that the arsenate was put in in order to catch the very first of the coddling-moths, which are the ones, which if not killed, will lay eggs in the calyx of the embryo apple, which means a destroyed apple. The later coddling-moths are not so destructive as the first brood. It formerly was the practice to give Bordeaux and Arsenate sprays separately, but the cost is greatly reduced by watching the exact time and giving them as one, and the quantity of neither required is as great when given as one mixture. If the coddling-moths do not affect your region you may omit the arsenate, and if the scab is absent, or has been for a period of five years, you may omit the Bordeaux, and use only the arsenate. There are cases in favored regions where this application may be omitted altogether. But, be that as it may, there is hardly an orchard that should not be given the second application, **just as the petals fall.** This is the most important one of all, as it catches the main crop of the first brood of coddling-moth. Do not omit it.

If the previous application has been very thorough, there may be cases in which this spraying may be omitted; but, be sure of it by a critical examination.

If you are in a region in which the curculio attacks the apple, do not omit the fourth application, as one bite from a curculio on the cheek of an apple puts it in the "scrap" class.

The use of the fifth application depends upon whether your region is infected with **Bitter-rot**—a disease of the apple itself, and a serious one. If it is present, the fifth application will be necessary. There is hardly a region in which the **aphis** is not a factor in ochard management, and the sixth application will rid you of them if well applied.



The Stark Year Book for 1910

is ready to mail. It will be sent to any person interested in fruit-growing on receipt of 7 cents to cover postage. The Stark Year Book for 1910 represents an entirely new idea in nurserymen's literature—it is a work of art as well as a catalogue of Stark Nursery products. Within its covers are 32 full-page illustrations of fruits and flowers, representing 175 varieties, done in four colors, and exactly reproducing nature. 84 pages are devoted to descriptions, prices, and records.

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Park's New Everblooming Petunias. Finest known. A glorious, fragrant bed, 20 feet across, lovely shades and markings, the envy of your neighbors, **Free.**

1 Dark Purple, Rose, Carmine, Crimson.
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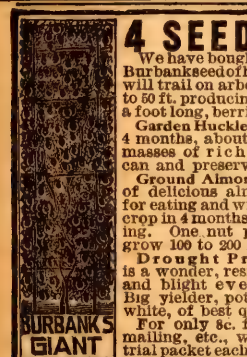
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ORCHARD MACHINERY

Every farm, and especially every commercial orchard should have sufficient equipment to protect the number of trees there may be. If the orchard covers many acres, it should be sufficient so that the work can be done expeditiously, as the essence of spraying is to get it done just at the right time. If the orchard is small, one of the smaller equipments on the market will do, but no matter how small it is, there should be a spraying-tower from which the tops are sprayed. This can be built by any one who can nail two boards together, and in the case of a small equipment it is built upon a wagon, the bed of which is made of planks, well anchored to the running-gears. In the case of power-sprayers the tower is part of the equipment. With the small equipment the solution barrel and sprayer are on the wagon with the tower, and it is moved from tree to tree by horses, which may be taken from the tongue, if you do not care to invest in rubber blankets to protect them. Spraying should be done on a calm day or much of the solution will be lost. The operator should be protected, as to face and hands and with goggles over the eyes, and the clothing worn will be of no use for any other purpose, thereafter.

Hand Pump Sprayers.

There are many of these on the market, most of which are good, but the one thing to be careful of is that all the metal parts are fully and heavily galvanized, and that the agitator in the barrel has sufficient action to keep the mixture well stirred. This last is important. No matter what size outfit you have the same nozzle is used, and there should be a variety of them for the different sprays, and different finenesses of coating.

ORCHARD MANAGEMENT

There are some things about the management of the orchard which will soon be pressing for attention, the first of which is

PRUNING

Ther are extant many theories for pruning; but, as regards fruit trees, it is simply an attempt on the part of the grower to improve on, and curb Nature into giving him better fruits, and to make a better tree, for his purpose, than Nature will make for hers. The old maxim among fruit-growers "whatever tends to check growth increases the fruitfulness of the tree," is a good one, and the one we will follow.

How to Prune

This depends upon what your work is to do. We will consider the following motives:

To accelerate growth
Rejuvenation of old trees
Control of fruit crops
Control of disease
Training of young trees

Let us take these in the order named, briefly:

ACCELERATING GROWTH

A young tree which is backward in growth should have the weaker shoots cut off, and the main leader allowed to grow until it forms a framework upon which to build a head. This is then cut back if an open head is desired, when the side shoots will in one season catch up with it and a normally-headed tree be the result.

REJUVENATING OLD TREES

In the case of neglected fruit trees, especially the apple, when of considerable age, the best treatment is to cut back severely and start a new head, and in the case of old trees of inferior varieties, they are cut back and top-grafted with superior ones. This is called "top-working" and is the best way to rejuvenate an old orchard, of out-of-date varieties, when the trees are reasonably free from disease.

CONTROL OF FRUIT CROPS

This is the test of the scientific fruit grower—to permit his trees to bear only that which is good for them. It takes nerve, and a skilled hand to prune off the buds, formed last year, for fruit-bearing this year, so that the crop will be just what the trees can bear, taking into account the soil, climate, rate of growth, and age of the tree; but by this means the fruit can be controlled for the benefit of the tree and the grower. The best thinning-out is that done by pruning the spurs before growth starts.

CONTROL OF DISEASE

Pruning is of the utmost importance in controlling some of our most-to-be-dreaded plant diseases. In the case of **Pear-blight** the pruning off of **all** the fruit spears is the only preventative and in the case of trees badly infested with scale, when the limbs show signs of dying, the severe pruning of the head, and then spraying, has recovered many trees. All injuries, and diseased conditions of the limbs, should be excised for the good of what remain.

TRAINING OF YOUNG TREES

The training of young trees without pruning would be an impossibility, and, when we consider that Nature never makes two trees alike the necessity for pruning becomes the more apparent. By the process of selective-pruning we grow the kind of a tree we need for our locality. A "central-leader," or an "open-head" can be grown, at will, from the young tree from the start, or at any time within the first five years, but the best time is from the whip-stage. Under the scope of this heading comes the proper pruning of the tree when planting. All fruit trees should be nursery-grown, as that makes them thrifty and hardy, and inures them to the worst conditions they are likely to meet in the orchard, especially the processes of transplanting and heeling-in. When the young tree is finally taken up in the nursery, for sale, most of the fine feeding roots are broken off or shortened, and the main roots are not able to supply the whole top with nourishment, and, in order to make a "balance," we cut the head back. This enables the roots to at once devote their powers to the formation of foliage, without which the young tree cannot last long, in a growing state. Most of the fruit-bearing trees are the better for this severe root-and-top-pruning which they receive when taken up for sale.

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Fairview Seed Farms, Box 122, Syracuse, N. Y.

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SEEDS FREE. **So anxious am I to know you** that, if you will write me a letter, not a postal, I'll send with the **Guide** three packets of my **Grand New Bedding Petunias,** one packet being Eyed, Veined, Blotched and Spotted; one deep Purple, Blue and Pink Shades; and one Dwarf Edging, Light Shades; also culture. These **Superb Petunias** will make a glorious, everblooming, fragrant bed, gorgeous and beautiful until long after frosts—the admiration of all who see it. Why not write me? These Petunias alone are worth 50 cents.

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5 Fine Gloxinias, 5 colors 25c
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These 12 Sample Lots growing in your garden, will be your delight to show and surprise your neighbors, and we will mail all 12 pkgs. in a Coupon Envelope for 6c. postage and packing, and this Coupon Envelope when emptied will be accepted as 10c. payment on anything in our catalog.

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Starting Young Orchards

The first thing to do, when contemplating the starting of a young orchard, is to survey the soil in which it is intended to plant the trees. If it has not been in continuous cultivation for a number of years, select one which has. But the best way to start an orchard is to begin three years before you expect to set the trees and break the soil, disk it, drag it, and get it as mellow as possible, and put it in buckwheat the first week of July, thinly, and seed at the same time with the legume which does best in your locality, clover, alsike, or cow-peas, and grow this for two years, cutting one crop the second year and then plowing under, and cultivate and disk the remainder of the season, so as to get as much humus in the soil as possible, and kill weeds, as this will enable you to grow by the "cultivation and cover-crop method," as distinct from the old-time "sod-method." The soil is then in condition to be set in tees. The handling of the young trees will be given at the proper time.

Bees in the Orchard

I again wish to bring up the necessity of each and every orchard having some colonies of bees in them for the purpose of properly fertilizing the blossoms. The necessity for this is so apparent to the well informed that it should not be necessary to refer to it—but it is, as the facts have demonstrated, for years.

Your's for a big crop of perfect fruit,
SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

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This Company manufactures potato cutters, potato planters—with or without fertilizer adjustment—sprayers, and potato sorters. Potato planters report that the Aspinwall machines not only effect a great saving in time, but that their crops are greatly improved.

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Greater Department Coupon

(Garden and Orchard)

Mr. J. A. Everitt, Editor,
Indianapolis, Ind.

I value this department and wish more space could be devoted to it. Having seen your announcement that when the circulation is 200,000 another page will be given to Mr. Hamilton, editor, I will do what I can and send a club of

..... subscribers and enclose $..... in payment for them.

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From Photograph of Mr. Saum's Potatoes

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"I send you today by freight some Six-Weeks Potatoes. They were dug last night and this morning and grew in forty-three days. They were grown from one-eyed seed. I have just begun farming on my own land, and am not fixed yet for pushing a crop of early potatoes. They were covered with a breaking plow and given very ordinary treatment. Think I can beat it next season. Several people who saw them were astonished. I expect to exhibit at our county fair." JOHN L. SAUM.

Planted the Early Six-Weeks Market Potato May 3. They grew fine, and we had new potatoes cooked June 20. They are the earliest I ever saw.

DANIEL DONOVAN, Carroll Co., Tenn.

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We have the genuine seed. Price very low, considering how fine this potato is.

Size for use in six weeks. Ripen in ten weeks. One year yielded 420 *bushels per acre; next year,* 380 *bushels per acre; 2 years later,* 600 *bushels per acre. Get the genuine seed*

By mail, postpaid: 1 pound, 30c; 4 pounds, $1.00. *By freight or express, not prepaid: from us. We introduced and named this potato.*
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THE HOME ON THE FARM

A LITTLE LEISURE FOR US ALL

Leisure in the home on the farm! If there is a place on the earth where it is earned it is there. Always, always something to do. Three meals to plan. Often to go into the garden, and sometimes into the fields, for much of the material. Fires to make, sometimes when the summer heat declares fires more of a torture than a comfort. But food must be cooked. Three times every day must the meal be made ready, and three times must it be served. Three times must the dishes be washed and wiped and put away as though to not be needed soon again, to find themselves only a few hours hence again on the table.

Kitchen to be set at rights, beds to be made, rooms to be swept, dust to be brushed out, and often the thousand calls of duties to children. The ceaseless and merciless round of it all.

We are writing of the keeper of the home on the farm, not of her in the city, where the cook and the maid and the nurse do much of the work, and carry much of the responsibility. Though the queen of the home even with these helps, deserves all the honors and praise she gets. Neither are we saying these things in the spirit of fault-finding or complaint. "Life is real, life is earnest," and its path is thickly strewn with duties, and she who performs those duties well earns praise she too seldom gets, and rest too often she sees no place to take. Therefore when we sit down for a moment with the mistress of the home on the farm we feel that we are in the presence of a queen, and when we endeavor to entertain the boys and girls and children of that home, we realize that we are in the midst of those who will shape the destiny of the country and the world.

It must be admitted that men do not concede all we have written. When a woman gets cross they say she is wrong at heart, but when the man is cross he excuses himself by saying he is really not to blame, he is bilious, his liver, not his heart, is out of fix. Nixon Waterman puts it in rhyme:

Let poets rave, as poets will,
  About the heart's control,
And in their lofty lyrics still
  It's vital worth extol;
I, who must walk in humble ways
  And modest muses woo,
I write this simple song to praise
  The liver good and true.

Pray tell me what are hearts to men—
  What's anything, alack!
To us poor bilious creatures when
  The liver's out of whack?
While sentiment, I grant it, is
  Quite proper in its place,
Yet when we get right down to "biz,"
  The liver sets the pace.

So let's not to the dreamy bards
  Soft caroling succumb,
For he who clearest truth regards
  Will keep his liver plumb;
He knows full well a heart may bless
  A mortal, in a way,
But oh! it's quite "N. G.," unless
  His liver's all "O. K."

And they sometimes charge the women with their biliousness—microbes propagated by the kitchen stove, as, for instance:

And here and now I make my plaint
  To all the cooks: Beware
On what you feed us, for a saint
  On bile-distressing fare
Must soon become a demon! Yes
  You guide us, day by day,
For piousness and biliousness
  Go different paths, they say.

Why don't some lady poet come back at them, and demand stove-wood "like papa used to provide?" But it is well to be patient. If the men are not as good and kind and appreciative as they ought to be, it will come out right some time. As we once heard a now sainted home-maker say, "There will come a time when I will be appreciated." And that time certainly came. A rhymester puts it thus:

You may take the world as it comes and goes,
  And you will be sure to find
That fate will square the account she owes,
  Whoever comes out behind;
And all things bad that a man has done,
  By whatsoever induced,
Return at last to him, one by one,
  As the chickens come home to roost.

Speaking of the duties owed to the children, many a tired mother has worried on with little lives of which the following by Veni McDonald Porges merely illustrates the promiscuous activity:

"What's in your pocket, Charlie?" I asked,
  "Oh, nothing much," he stated.
That night, I sewed a button on,
  And just investigated.

I turned the pocket inside oue—
  It scarcely took a minute—
You'll think I'm joking, I've no doubt,
  But this is what was in it:

A top, a handkerchief in rags,
  Some marbles and a whistle,
A pencil and two paper-bags,
  Some chalk and a toy pistol,

Five nails, a screw, a hammer head,
  Two candies stuck together,
Some cigar-bands, a bit of lead,
  Some scraps of soiled leather;

A cookie—stale, no longer round,
  A knife, an old brass locket;—
This is the "nothing much" I found
  In Charlie Porges' pocket.

Getting back to the kitchen and the microbes, they are fierce. The doctors think we have not hard enough times at best, so they try to frighten us to death with microbes. Housekeepers are afraid to do or to leave undone many things their mothers and grandmothers did all their lives without a thought of danger. And no calamities followed. Yet there were just as many microbes then as now. But now if we read the papers and believe what they say, and listen to the man of science, it is about like the New York Times puts it:

Sing a song of microbes,
Lurking everywhere;
Swimming in the water,
Sailing through the air;
Buried in the cellar,
Clinging to your clothes,
Sticking to your fingers,
Creeping up your nose;
Mixed in all the sauces,
Stirred in every cake,
Swallowed with the pastry—
Hence the stomachache;
Boiling in the soup pot,
Baking in the bread,
Dancing on a needle,
Prancing on a thread;
Billions on a banknote,
Millions on a cent,
Trillions on the greenbacks
Used to pay your rent;
Cancer on a sunbeam,
Phthisis on a mote,
Forty thousand ailments
Gallop down your throat,
Read the daily paper,
If you have a doubt,
Microbes as they caper
Spread the seeds of gout,
Propagate the fever,
Make you have the hives,
Mark your face with freckles,
Kill a cat's nine lives;
Give us ear and toothache,
Give a horse the heaves,
Roup and pip to chickens,
Toughness to the beeves.
Microbes cause the earthquake,
Raise the storm at sea,
Raise the dreadful cyclone,
"Skeeter" and the flea;
Start the Wall Street panic,
Cause the summer frost,
Make the stylish bonnets,
Make the price they cost;
Cause the family quarrel,
Cause the auto smell,
Give the chauffeur awful nerve,
Give the people—well
Microbes may be vicious,
Still, they like their fun;
Got into a rhymster,
See what they have done.

But there are new things that are

"Children Teething"

MRS. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.



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This is a fine, handsome, clear toned good sized Violin of highly polished beautiful wood, ebony finished pegs, finger board and tail piece, one silver string, three gut strings, long bow of white horse hair, box of resin and FINE SELF INSTRUCTION BOOK. Send us your name and address for 24 packages of BLUINE to sell at 10c a package. When sold return our $2.40 and we will send you this beautiful Violin and outfit just exactly as represented.

BLUINE MFG. CO.,
535 Mill St., Concord Jct. Mass.



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Dept. 159 East Boston, Mass.



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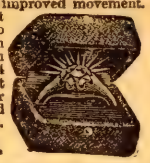


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not microbes. Take the incubator, for instance. Let a jolly Dutchman tell how it worked in a home on the farm:

An incubator, Gretchen say,
Vas somedings I must get,
Dot raising schickens der old way,
Vas too old-fashioned yet.
So ten hard tollars I paid down
To please mine vife, un den,
Down in der cellar set heem up,
Dot rival off der hen.

I schtarted up der lamp, put my,
Der schmokes und schmells I got!
Dot plaze she was durned up too high
Und made der ding too hot,
But pretty soon when she cooled town
Der eggs I shove dem in,
Und said to Gretchen: "He was sthart,"
Und now your vork begin."

Vell, dot vas long tree veeks vor mine,
Vor Gretchen she was game,
Up in the night so she mus' see
If dot heat vas der same,
She is so loud ven she gets out,
I schmile to hear her say:
"Poor Hansie, dear, I must not vake
He vorks so hard all tay."

Und der day vas, mine gracious me!
Did dey come from dot ding?
Vot gind of stork you dink it vas
Dot dose schweet schickens pring?
Aw, leedle dings so vite as schnow,
Mit eyes so black and bright
Mine Gretchen she was grazy like
To see dot pretty sight.

She over had her baby talk,
She held dem to her ear,
Dey answered her mit leedle peeps
Dot pleased her so to hear.
Der pest investment I haf make
Vas puying dot machine,
Mine vife nod since I married her
More happy half I seen.

It is doubtful, though, if the modern incubator beats the "old speckled hen," as the poet tells about her:

I remember the day when they brought 'em our way,
The new-fashioned egg from the new-fashioned pen,
But dearer to me than this modern lay
Is the old-fashioned egg from the old speckled hen.

You may talk of the Reds, of the Leghorns and Rocks,
Of the Wyandottes, Hamburgs and all modern flocks,
But sweeter the cackle that greeted me then
Was the lay of old Biddy, the old speckled hen.

With the dawn of the day she got after her work,
And to fill the egg basket she scratched like a Turk,
And when groceries were low in the cupboard, oh! then,
We bought more with the eggs from the old speckled hen.

And Mary's little hen evidently beat her famous little lamb, and since this is a special poultry edition of Up-to-Date, we suppose we may tell about it in the home on the farm:

Mary had a little hen
Upon her little farm.
Against the wolf before the door.
It proved to be a charm.

Each day it laid a little egg,
Which Mary sold at town,
And thus she bought her groceries,
And now and then a gown.

The years passed on, and Mary paid
The little mortgage due,
And sent her girl to boarding-school,
Her boy to college, too.

She has a nest-egg in the bank,
And even keeps a cook,
And everything about her has
A bright, egg-sell-ent look.

There, we expect it is time to run and gather up the eggs.

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Have you received a copy yet of Dr. Pierce's Medical Adviser? Now is the opportunity for our readers to secure one of these valuable treatises, for just the cost of wrapping and mailing, 31 one-cent stamps. It is full of information on the questions that confront every one in the everyday course of life. As a Home Doctor, it cannot be excelled, and every reader should have a copy. It contains 1008 pages, with engravings and colored plates, and is substantially bound in cloth, making a nice addition to any library. Address Dr. R. V. Pierce, Dept. F, Main St., Buffalo, N. Y.

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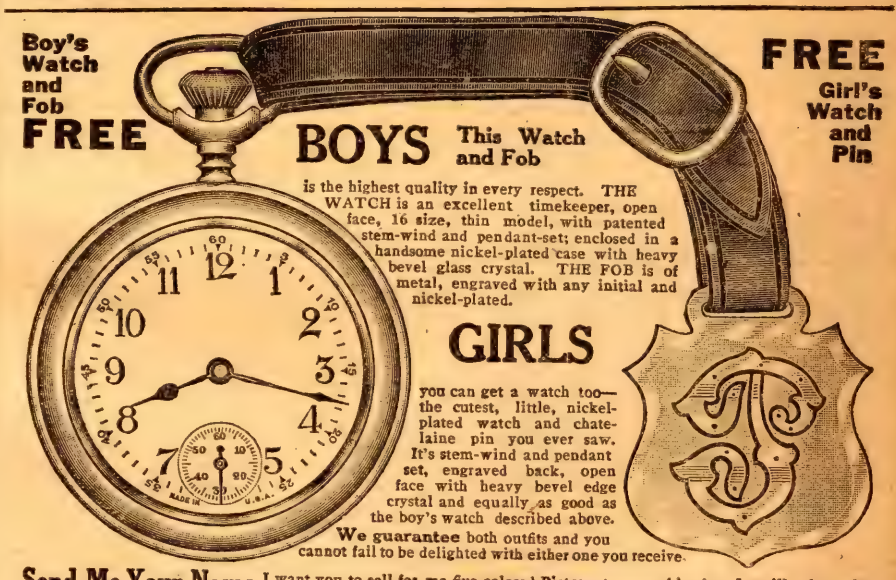
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CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

What a variety of Cadet letters we have for this issue! And we are glad to have them, as we know our readers are glad also. They show that the young people of today are progressive and enterprising; that they are bright and intelligent; that they propose to be something and to do something in the world, that they are in favor of Equity in the transactions of men, and that they are willing to do their part in helping to bring it about. Such young people give the world today its brightest hope, for what the young people are now, the adult people, the shapers of the world's destiny, will be a few years hence. We welcome every Cadet letter, and we hope they will not only multiply in number, but that they will come from every family where Up-to-Date goes, and that Up-to-Date will go to every family. Our readers are increasing now at the rate of thousands a week, and we want to bring them all good cheer, and to help them over all of life's rough places.

Let us begin our work this week by welcoming a Cadet from the new State of Montana:

Dear Cadets:

I've been a silent reader of Up-to-Date, and I think it a fine paper. I am 18 years old, have brown eyes and hair, and weigh 118 pounds. I live in Yellowstone County, Montana, and I can do all kinds of farm work; but most of all I like to ride horseback. I can ride some pretty mean broncos. I just love to get on a horse, and know that I am the master. I love to saddle my horse and gallop away over the hills and plains.

I like to read the letters the Cadets write. My mother lived in Southern Texas when she was a girl, and her folks moved out here in 1886. There was no railroad here then. Both of my grandfathers were soldiers in the civil war, one a Yankee and the other a Confederate. They are both old men now, and I love to hear them tell of the war.

I think it would be a good plan to give some of the pictures of the Cadets. If you will do so I will send mine. I would like to hear from James Gorden.

With best wishes to all, and to Up-to-Date.

ETHEL CARTWRIGHT.

Yours is one of the best letters we have had, Ethel, and if you will send us a good photo of yourself with your next letter, we will see if we can't introduce you to the Cadets.

Let us give place to a bright boy who lives in the far North:

Dear Cadets:

I live up in Northern Michigan, five miles from Lake Superior. We have more than two feet of snow here now (Jan. 24). The climate is cold here in winter, but in summer it is pleasant. The soil is good for certain products. We raise wheat, oats, rye, and potatoes, and nearly all kinds of vegetables.

Skeeing is great sport here. Probably many readers know what skeis are. They are made of wood, about four inches wide, and about six feet long, and bent up in front, with a toe strap in the middle. We stand upon them and slide down hill.

Up-to-Date is a good paper.

OSCAR CARLSON.

Our Cadets farther south, Oscar, would like to know how often your bodies describe rainbows as your heads seek a soft place a good deal further down hill, when your skeis hit an obstruction.

There are girls up in Michigan too. Here is another letter from one of them:

Dear Cadets:

I have been reading the letters written by girls of about my age. I am a Michigan girl, a daughter of John D. Fish, and I am eleven years old. I have two sisters, one of whom is going to high school. I also have two brothers. One of them is in business in Saskatchawan, Canada; the other is small, only seven years old.

The farmers here raise many potatoes. We had an awful hail storm this year, and it injured the crops very badly. Up-to-Date is our family paper.

JOSEPHINE FISH.

Let us leave the far north for a short time now, and step over into the Keystone State, to welcome a new Cadet from there:

Dear Cadets:

I have read some letters in Up-to-Date from Texas, and as I live in Pennsylvania, I thought I would write and tell you what kind of a country this is. We think we have a cold climate. Cold weather begins in September, and as the winter advances we have severe freezing weather. We have very deep snow at present (Jan. 19) so that we have been unable to leave the house for two or three days. It was impossible to get to school for several days. The winter generally lasts until the first of April, so that we cannot plant before the middle of May. But it is very pleasant in the summer time. When I hear of countries like Texas and Oklahoma I wish myself there.

I am eleven years old, and I love to read the letters in Up-to-Date Farming. We like the paper very much. I hope I will become a Cadet of Equity.

PEARL IRENE GLEICHMANN.

Yes, you are now a Cadet of Equity, and the other Cadets will love to read your good letter as you have loved to read theirs. How many of our Cadets know there is a Chicago in Ohio? Our next Cadet lives there.

Dear Cadets:

I would like to become a Cadet of Equity. I have been reading the letters for sometime, and I would very much like to join your charming little circle. I have taken Up-to-Date Farming for some time and I like it very much. I think all farmer boys and girls ought to read it, as it teaches young farmers more than any other paper tries to do.

I live in the northern part of Ohio, near a town called Chicago. We have a celery garden, and it keeps us very busy in the summer time. There are over a hundred acres of celery grown here every year, and it is shipped to nearly all the cities in Ohio, and to some in Indiana, Pennsylvania and West Virginia.

We came from Michigan three years ago. We had a large farm there, but we like it better here, because it is not so cold in the winter time. This is the first winter we have had any sleighing to amount to anything, and very few people had sleighs or cutters as they are so seldom able to use them. It is like the Cadet wrote from Southern Illinois. But we have lots of skating, and I think that is much more fun than sleighing.

I have been in many large cities, have seen Niagara Falls, and have crossed the Atlantic ocean three times. But my happiest moments are spent on horseback. I have no saddle, but I can ride sidewise good enough to run races.

I received a beautiful set of post cards, the trip around the world, for subscriptions to Up-to-Date, and I thank Mr. Everitt very much for them. I have 1200 post cards, and I would like to exchange with any of the Cadets. I would also like to correspond with some of them.

GRACE HARSSEMA.

Having traveled so much, Grace, you certainly have many interesting things to write about, and we hope to have other letters from you.

Let us get away back in the West again, and welcome a Cadet from the State of Washington.

Dear Cadets:

As I have never seen a letter from a Washington Cadet, I thought you might like to hear something about the Pacific Slope. We have only taken Up-to-Date Farming a short time, but we think it is a good paper. We have taken The Ranch and The Farm Journal, and I think Up-to-Date Farming is the best.

I am 15 years old, and live on a farm, where I raise chickens and plant flowers. It is very cold in winter here. The snow is one foot deep now (Jan. 19). Sleighing is fine. We live in Kittitas Valley, which has large mountains all around it. Coal has been found in the mountains. The principal trees that grow in the mountains here are spruce, pine, fir and hemlock. It is beautiful in the mountains in summer. The pine grass covers the ground until it looks like a green carpet. Many people go to the mountains to spend the summer. We went last summer. The story one of the Cadets wrote about the long moss on the trees was very interesting to me, as I see the moss quite often here. There is also some fishing here, trout being the principal fish caught.

We raise hay, grain and fruit here. Apples are the principal fruit product. There are many rocks here, but we have some nice large fields. We raise good crops every year. I think Washington is a good State to live in. There are some winds in the spring, but nothing like the cyclones in Kansas and Oklahoma. We have lived

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Have you seen the Hoosiers Special on Furs? If you haven t you had better send for it at once. I am at present paying from 55c to 65c for good lots of rats. Remember that I do not grade rats as to sizes. I am always in the market and getting more goods than at any time in my career. Write to-day for my SPECIAL which is now ready for the asking.

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Sell our Big $1.00 Bottle Sarsaparilla for 39 cents.
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Best Seller. Finest Medicine. Complies with pure drug law. Everyone buys. Write **now** for terms.
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Salary $75; free living quarters, fuel and light. Let us prepare you for examination. Write Immediately.
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Indianapolis, Ind.
(Use address nearest you.) (6)

in both of these States, and we like Washington best.

Every one says Up-to-Date is the best paper printed. I enjoy reading it very much. I like to read the Cadets' letters, they are so interesting.

INA DEWEES.

Your letter, Ina, is so well written, such beautiful penmanship, and such manifest care, make it highly appreciated indeed. And you certainly know how to tell things. You may be a distinguished writer some day.

Well, we must get back to Michigan again to make room for another splendid letter from that State.

Dear Cadets:

I have been reading letters from boys and girls that live in the South, and thought some of you might like to hear about Leelanau county, Michigan. I am a true Wolverine, and I like this State very much. There are some very beautiful places and towns in this part of the county. I live by one of the most beautiful lakes in Michigan, Glen Lake. It is getting to be a famous summer resort. It is in the fruit belt, corn belt, and—in fact, the people can raise almost anything common to the northern States.

Michigan has some very fine schools and colleges. I live about seven miles from a railroad. I am 19, perhaps a little too old for a Cadet, but I like to write and tell about the beauties of Michigan. I have been in several States, but I find Michigan is the best. Leelanau county is not so very thickly settled, but there are some fine farms. There are also timber lands worth from ten to fifty dollars an acre.

I am interested about New Jersey, and would like to hear from that State. My great grand parents came from there about 50 years ago. My father takes Up-to-Date Farming, and he likes the paper better than ever; he says it can't be beat. We all enjoy reading it very much. I think it the best farm paper a person can take.

We do not have many sleighing parties here, but the snow is about two feet deep in the fields (Jan. 17). The lake is frozen over, and affords sport for the young people skating. I suppose the Southern Cadets hardly ever see ice or a pair of skates. Skating is a fine sport, though skaters may expect tumbles.

KENNETH J. COBB.

You are not a bit too old to be a Cadet, Kenneth; and I look back to New Jersey the same as you do. My father came from that State nearly a hundred years ago.

An Illinois writer, a little bit outside of the Cadet line, would like to hear from a relative in the West.

To Up-to-Date:

I would like the address of Silas Ingling, who wrote as a young turkey raiser of Missouri, and whose letter appeared in the Cadet column December 15. I have an uncle somewhere in the West, but just where I know not. I would be glad if he would write me.

I like the tone of Up-to-Date, and its policy as set forth in its pages. We as producers must look after our interests closer, or in a few more years the trusts and vast corporations will have us where there will be no chance for escape.

J. M. INGLING, Iola, Ill.

We love to help our friends in any way, and we trust Mr. Ingling's uncle will write him.

Meanwhile we refer with pride to the letters printed in this issue of Up-to-Date, and we would like to see the paper that can beat them. We are proud of the Cadets of Equity, and we invite them to come more and more.

UP-TO-DATE

When the spring's warm days are coming
And the birds begin to mate
Then we gather round the cottage,
For to read our UP-TO-DATE.

When the summer's work is over,
And the moon is growing late.
Then we like to quietly gather
For to read our UP-TO-DATE.

When the autumn days are coming,
And we've gathered in the hay
Then we love to read its pages,
Knowledge found from day to day.

When the cold and silent winter,
Gathers round the cottage door
Then we read our UP-TO-DATE
In the tempest, and the roar.

Theodore Shuey.

WHAT FARMERS OUGHT TO KNOW

How to market what they grow
Is what all farmers ought to know.
The yield is an important thing,
But not so great as what 'twill bring,
Then learn to sell as well as plow,
And UP-TO-DATE will teach you how.

KEEP A-GOING

Don't worry! Don't worry!
Life's short at the best;
Keep moving along
In advance of the rest.
When you come to hard places,
And fears overtake,
Just stop a few minutes
And read UP-TO-DATE.

Pull Your Stumps With This All-Steel Triple-Power **Hercules Stump Puller**

30 Days' FREE TRIAL

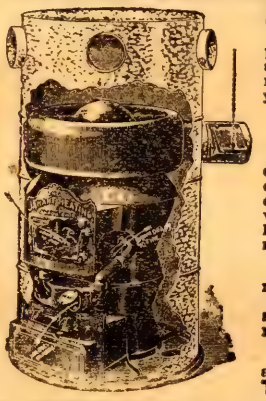


No excuse for stumpy fields. This Hercules is now sold on 30 days' Free Trial. Test it on your place at our risk. Pulls stumps out, roots and all. 400% stronger than any other puller made. Triple power attachment means one-third greater pull. The **only** stump puller guaranteed for 3 years. **Only** one with Double Safety Ratchets, **Only** one with all bearings and working parts turned, finished and machined, reducing friction, increasing power, making it extremely light-running. Hitch on to any stump and the

STUMP IS BOUND TO COME

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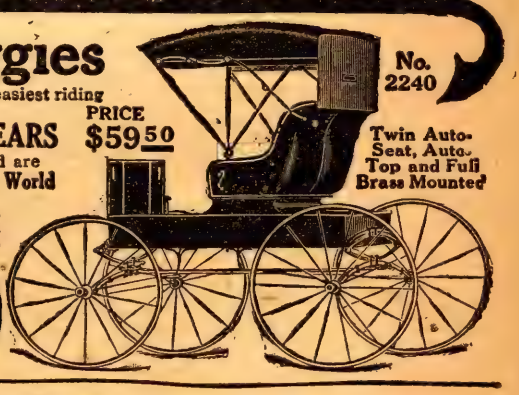
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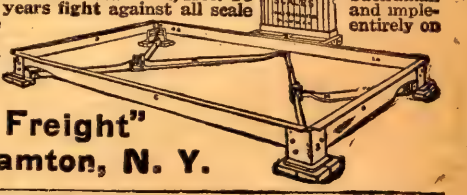


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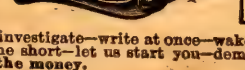


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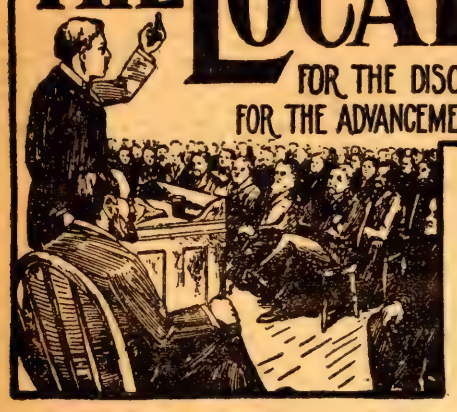
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FOR THE DISCUSSION OF ALL FARM PROBLEMS
FOR THE ADVANCEMENT OF CO-OPERATIVE FARMING



Up-to-Date Farming

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING CO., Inc.
Indianapolis, Ind.

J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

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Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

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Farmers are urged to fix the below prices in their minds and communicate them to their neighbors who may not be subscribers. They are reasonable, fair and equitable, compared with prices placed on other commodities, Farmers should hold for them, ask them, and not sell for less as the world must have ALL the supply and not just part of it, all those who refuse to sell below the minimum prices will get them. A year's demand must be supplied over a year instead of a years supply being dumped in a few weeks.

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CORN—No. 2 till Jan. 1, Chicago, bu	.75
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BARLEY—Good malting, Chicago, bu	.65
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RYE—Chicago, per bu	.80
FLAX SEED—No. 2, Chicago, per bu	1.50
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HOGS—Good to choice, Chicago, per cwt.	$7.50@8.00
CATTLE—Good to choice steers, Chicago, per cwt.	$6.50@7.50
POTATOES—No. 1, Chicago, per bu (Michigan growers set 50c at their station as minimum price.)	.60
BEANS—Prime, white, Chicago, bu.	2.50
COTTON—Middling upland, per lb.	.14
COTTON—Middling gulf, per lb.	14.50
TOBACCO—(Subject to change by	
TOBACCO—(Subject to change by the Burley, Green River and Stemming District Associations)	
—Burley tobacco, average price, per lb.	.15
—Green River dark, average price, lb.	.08
—Stemming dark, average price, per lb.	.10

The power of a million is enormous.

—o—

The person with a million dollars possesses a power that may be used to sway this nation; a newspaper with a million circulation has unquestionably a great power for good, if its policy is good; a million men in any movement is a body to always be reckoned with when it makes its demands, but a million farmers, in control of more than one seventh of the food products of the country would represent a power industrially and in any other direction it might be used, that would be irresistible.

—o—

Far-sighted people in other lines realize this and admit it. Those who are opposed to farmers combining to exert their power, because it might interfere with a graft they enjoy, seek to discourage farmers in their attempts to get together and farmers leaders have sometimes listened to those people and led their following in devious ways where they were overwhelmed in the quagmire of impractical plans.

—o—

The plans proposed heretofore for farmers' co-operation were impractical to accomplish the results they must have. No matter how zealously farmers tried, or how faithfully the leaders labored the progress was so blundering that the great problems of agriculture remained unsolved.

—o—

But the Equity plan or system is different, we speak of it as a system because it is giving to agriculture a business system on its marketing end that will be as sound as the business system of any railroad, manufacturing enterprise, insurance company or any of the great corporations or trusts, that at present control the many commodities that enter into commerce and which constitute the necessaries of life, including farm crops.

—o—

Farmers problems are very simple if the proper solution is applied and to apply the solution is, or should be very simple too. If farmers themselves were as far-sighted and determined to work out their own salvation as those who prefer that the present order of things be not disturbed, are, they could absolutely be the freest industrially, the most independent and the most respected class of people in the country within one year.

—o—

And when farmers arrive at that stage in the great rural uplift that former President Roosevelt desired so much they will be the direct or indirect cause of solving numerous problems that perplex other classes. In short when a million farmers are in an industrial organization to protect their interests and promote their welfare in equity they will usurp the place now held by the trusts and great interests in dictating our government. But there is bound to be this difference: The money and special interests, power, now compels a government of the people by the people for the special interests and combinations that have the armies of producers and consumers in their power. The farmers organized will compel a government of the people, by the people for the people—for the 35,000,000 rural people—and such a government will be the best for all the people.

—o—

Naturally the few combinations that exploit the masses are opposed to the masses exerting their power, industrially and through the government. But when they do exert such power, and we believe it will not be much longer delayed, it will not be against organization and combination of other classes, but one of the inevitable results will be that the necessities of life will not be exploited with impunity and an unfair tax placed on every man, woman and child to swell the fortunes of the few exploiters.

—o—

With the organization completed, that UP-TO-DATE FARMING and the Farmers Society f Equity are building, and with the Equity system working, such anomolies as are shown by the following dispatches will be unknown.

A dispatch from New York City in the latter part of 1909 said:

The high prices of food are ascribed as forcing 3,000 children out of the public schools of Brooklyn to help support the households by child labor.

And the following report appeared about the same time.

Fruit and vegetables in the orchards and fields of New York have been permitted to rot on the ground because the prices offered in the markets, after deducting transportation and commission charges, would not leave the cost of packing to the growers.

—o—

We might cite hundreds or thousands of similar cases, but it is unnecessary. The actual instances have probably come under the observation of most of our readers, but we will undertake to show that farmers can easily establish an organization—the Farmers Society of Equity—and a system of marketing that will positively prevent the iniquity now practiced in handling the necessities of life and relieve the distress occasioned by the exorbitant high prices of some foods.

—o—

The way to do this is for farmers to organize local unions at every important shipping station in the country. After organizing, if they want to, and we recommend it they should as soon as possible arrange to own their meeting house or Equity Hall. Then will come, in the natural order of things, the utilities to store, control and market their crops as the demand needs them. These will be elevators, warehouses, cold storage houses, creameries ,and perhaps slaughter houses and packing plants (See Live Stock and Dairy in this number "The Meat Boycott."

—o—

To do these things in a business like way each local union should be incorporated under its State law so that it may legally do all the things the law allows without delays or complications. These corporations (this is important) will not be for profit further than to secure profitable prices for members crops and they will never declare any dividends.

—o—

Through these local unions, federated, crops can be marketed much more economically than through the old, costly, disorganized plan and the members of local unions will at once receive benefits that non-members cannot get. This fact alone should impell all farmers to join the union. Soon all the crops in the community will be represented by the local union and may we not expect enough local unions will be established in a comparatively short time to bring the membership of the Farmers Society of Equity up to the million mark and make farmers masters of the situation? 1,000 local unions of only 100 members each will do it.

—o—

But there are many more advantages and beauties in the local union than we have enumerated. Also there are various ways to go about acquiring the Equity Hall which will be the start to get all the other good things. Let us present this matter in a way that will get right close to every member of the farmers family.

—o—

A friend sends us the full proceedings of a live Local Union in the state of ..... From it we quote only the one part which refers to proceedings preparing the way to the ing the Equity Halls which will be the is the way they got at it:

The President—The next order of business is "Good of the Society," has any brother anything to offer for the good of the society?

W. S. Allen—Mr. President, There is one subject I desire to bring up under this order of business and that I may get it clearly before the local and in proper form, I have prepared and now present a resolution, and after it has been read I wish to submit a few remarks upon it.

The President—The Secretary will read the resolution.

THE RESOLUTION

Whereas, believing that the time has fully come for all local unions of the F. S. of E. to further follow the advice of President J. A. Everitt, the author of our plan of co-operation and the founder of our beloved Farmers Society of Equity, to take steps toward the building of Equity Halls throughout the country, and wishing to keep step with other local unions, if not going in advance of many of them;

Be it Resolved—That it is deemed desirable, and declared to be necessary that this local union of the Farmers Society of Equity build an Equity Hall, and that the same shall be constructed substantially according to the plans as are furnished by our National Headquarters.

Resolved further—That this local union take steps at once to incorporate under the laws of this State in order that all our business hereafter may be conducted in the modern business way.

And it may be further resolved—That the Secretary be and is hereby ordered to communicate with our National Headquarters and procure all necessary forms, blanks etc., in relation to the building of Equity Halls, including corporation papers, plans and specifications and all the information that he can get in regard to the construction of such buildings by local unions, and make report at our regular meeting.

Mr. Allen—Mr. President, I move the adoption of the resolution.

Mr. Henry—Mr. President, in order to get the matter before the local I second the motion.

Mr. Allen—Mr. President, I will not take much of your time at this late hour in what I have to say. I hope my friends will pardon what may seem a little freshness on my part by offering this resolution. I have been among you for only ten years as a farmer and in that time I have had much to learn and I take this occasion to say that I don't believe any man's lot was ever thrown in a more kind and helpful community. I say I had much to learn about farming and I did, but I doubt if there is a man among you who has made a greater effort to learn the business than I have. Coming from the city to the farm in the prime of my manhood, leaving the bustle of city life behind me I had plenty of time to read and to think. I very early found out that there was more to farming than the mere casting and reaping of the wheat and following the plow. In order to learn all I could I subscribed for a number of farm journals. Among the number was UP-TO-DATE FARMING. I learned much from all the rest of the papers that came to me but somehow I became impressed from reading Up-to-Date with the long neglect-

PILES CURE--ETTO guaranteed SURE Cure. Quick relief. We mean a cure and furnish proof and best references. Our cure mailed sufferers FREE on trial. If benefitted pay $1.00; otherwise pay nothing.

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We believe it is positively without equal. It gives relief at once. It will relieve Catarrhal headache by one application, It cleanses and heals the Catarrhal ulcers in a very short time. Many cases one tube will cure. It goes direct to the seat of the trouble. Hay Fever, Cold in head, Grippe and all Catarrhal troubles are speedily relieved and cured. WE WANT EVERY ONE who may be troubled to try PHIPPS CATARRH REMEDY. It is put up in two sizes 25c sample tube also 50 cent tubes. The 50 cent tube has hard Rubber nasal tube in every Cartoon.

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To FAT People FREE

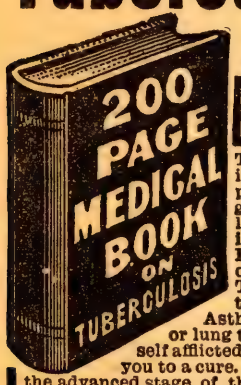


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Vanish Like Magic

FREE to Every Man or Woman



Dr. Young's **PEPTOPADS cure** where medicines alone **fail.** They regulate the bowels, relieve soreness, and strengthen the nerves and muscles of the stomach in either sex. You can eat what you want and all you want without fear of distress. The cures effected are marvelous. If you have **Dyspepsia, Indigestion, Sour Stomach, Distress after Eating, Nervousness, Dizziness, Heart Fluttering, Sick Headache,** etc., send **10c** to cover cost of mailing, and I will send you a **$1.00** treatment absolutely **free.** It will relieve you immediately. Address **DR. G. C. YOUNG, 35 National Bank Building, Jackson, Michigan.**

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INDIGESTION My remedy will cure you just as it has THOUSANDS of others. If you are a sufferer from indigestion or any stomach trouble write for a free sample of FOWLER'S INDIGESTION AND STOMACH POWDER, a totally different remedy, that is harmless, yet wonderfully effective. At all druggists or by mail direct. $1.00 per box, 6 boxes $5.00. Address

Dept U. F., HARRY L. FOWLER 301 E. Houston St., San Antonio, Texas

TAPE-WORM EXPELLED WITH HEAD. GUARANTEED. BOOKLET FREE. BYRON FIELD & CO. 152 STATE STREET CHICAGO, ILL.

ed part of a farmers education and that was that of marketing his products.

The longer I looked into this end of my adopted profession, the clearer I saw the necessity for this part of our education and that had been overlooked, I continued to read Up-to-Date and then got Mr. Everitt's book, "The Third Power" and now I don't believe there is a more thoroughly converted Equity man on earth than I am.

I have been a little quiet in our meetings heretofore but the thought of an Equity Hall, as suggested by our National Headquarters has so appealed to me that I cannot resist the offering of the resolution.

Friends and neighbors, I have taken up farm work as my life's work. I hope my children and my children's children will follow in my footsteps. It is an honorable work and with intelligently directed effort it can be made a profitable work. I am one of those fellows who believes that the farmer and the farmers wife and children are as much entitled to the comforts of this life as men of any other trade or profession. We all want and are entitled to home comforts. That's a matter with the individual. But we want more than that. We want it so that when we go to a village or county seat on business we will have a *home* to walk into and a place to meet our friends and rest. There is no reason why a farmer should be compelled to yawp about a corner grocery or sit on his haunches with a straw in his mouth in the shade by the village pump when he goes to town to meet a friend or attend to business. There is no good reason why our wives and children should sit in the wagon and wait for us and be probably jeered at by the unthinking while we attend to our duties, or that they should be forced for rest and comfort into the homes of the villagers. We want comforts for ourselves and families at home and abroad and we are going to have them for we are entitled to them.

Why should farmers when they want to have a meeting of a local or any other business meeting be compelled to take the place they can get after the balance of the world has had its choice? Will they forever be cartooned as sitting on the curb or the dry goods box with straws in their mouths?

But I must come to the point. *We want an Equity Hall.* What is it and how can we get it? The idea is not a new one. Mr. Everitt has for years preached the necessity of Equity elevators, cold storage houses, ware houses and Equity Halls. An Equity Hall, as I understand it is a hall owned and controlled by a local union of the Farmers Society of Equity. As we gather from the literature sent us by Headquarters it is proposed that any local union may build the house. We notice that Mr. Everitt suggests that all such houses should have the same general appearance. His suggestion is, and it is a good one that there should be at least one store room on the ground floor, a rest room for the ladies of our families and a hall above and that it should be in villages, towns and cities on railroads.

Now that is the general idea of the place as I understand it. But, you say, where will the funds come from to build it? The suggestion is this, and it is another good and reasable one: We must all furnish something or do some work. Now to get down to hard pan let me illustrate—We propose to build an Equity Hall at our shipping town, we can buy a good lot there on some prominent corner for from $100 to $200. I believe that if the trustee of the town were properly approached they, or some good citizen of the place would donate the lot. If so all right. If not we must buy the lot. Having the lot I will say: "I want to be first in this thing. I will dig the foundation." My friend Picket over there will say, "I will haul the material for the foundation (Mr. Pickett—I will do it). Mr. Stout over the way will say I will lay the foundation. (Mr. Stout, Yes Sir). My friend Collier over the way will say "Count me in on furnishing the lumber at rock bottom country prices." (Mr. Collier—Sure!) Mr. Figg there has some good strong teams he will say "I want to haul the lumber" Mr. Figg—and I'll do it). Now we have some men here who know something about handling the saw and hammer. They can do much of the carpenter work. And so it goes.

Now the house we need is only one store room, a rest room and hall and a couple small rooms above. I say to you it can be built for $1500 or less. Then what—Well with all the work and material furnished as above we would owe probably $800. Then what? Well, if a man owns a lot in town he can borrow all the money he wants to build a house? Can't we be smart and borrow $800 to complete our Hall? I know we can, trust me. We can get it for 6 per cent. for a term of five years. But you say, who will pay that money? And let us do like they do in town—make the renter pay it. Let me tell you that merchants will fall over themselves to rent a store room in our Equity Hall. Don't be uneasy about that, and I say to you that before the five years is up the rents will be sufficient to pay off our $800 mortgage and more And another thing, there are one or two secret orders in this section of the country that are homeless. They will rent the hall for their meeting and pay an equitable rental.

But, you say, that sounds good, but how do you go about it. That is easy again. If you have been reading the literature as sent by headquarters as carefully as I have it would be easy to you. To explain I will say that according to the rule as laid down by Mr. Everitt, the suggestion is to incorporate under the laws of the

Easter will soon be here. Now is the time to get your Easter Post Cards and below is the offer



Easter Greetings

Let me send you 6 Sets - 48 - Exquisite Easter Greetings Post Cards for a little favor.

THE demand for **Easter** Post Cards is several times as great as for any other holiday. Anticipating that every one of our friends who has secured some of our other beautiful cards, and many new people, will want some beautiful **Easter** cards we have had our publishers to strive to even surpass all their other beautiful productions. Let it suffice to say: "They succeeded." We are proud to offer our subscribers **EASTER** Cards that are unsurpassed, if indeed, can be equaled elsewhere.

I am not going to try to fully describe these new creations. It would be useless, because I cannot describe their beauty, fascination and appropriateness. Suffice it to say that each is produced by 12 printings, embossed and with gold or silver finish. They portray the **EASTER** symbols—rabbits, chicks, Easter eggs, beautiful flowers and pictures of children, even rivaling nature in beautiful colors and tints. Also on each is an appropriate **EASTER** greeting. The combinations are so artistically happy that my **EASTER POST CARDS** surpass anything I ever offered to bring happiness and joy to the receivers.

Remember, there are **48 CARDS** and they are arranged in **6 SETS.** In this way they meet the requirements of all members of the family. While the children are especially considered when arranging the subjects, the older and graver people were not forgotten.

I Guarantee My EASTER Cards Will Please or I Will Refund all Money Paid

To any person who will now subscribe or renew his subscription, and send a new subscriber (Both for only 50 cents), I will send the entire six sets of EASTER Post Cards—48—no two cards alike. (If you cannot send a new subscriber then send your own for two years.)

Fill out the coupon and send right away. Even if your subscription has not expired would you not better embrace this offer and have it extended a year? The subscription price will never be lower, but it will soon be higher.

— — — —COUPON CUT IT OUT— — — —

LIMITED OFFER APRIL 1st

UP-TO-DATE FARMING, Indianapolis, Ind.

I enclose **50 CENTS** for my subscription and a new subscriber, each for one year and the premium of **48 EASTER GREETINGS** post cards as offered on this page. (If you cannot send a new subscriber then write your address only and you will get the paper two years.)

Are you a new or old subscriber?.....

My Name .....

My Address .....

My Friend's Name .....

His Address .....

This offer is not good after April 1, 1910

J. A. EVERITT, Editor Up-to-Date Farming, Indianapolis, Ind.

$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K312 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.



SUPERFLUOUS HAIR PERFECTLY REMOVED. I have a **GUARANTEED** safe and positively **SURE** way to take hairs off face, arms, etc., like Magic. I HAVE THE TRUE SECRET. Write for information. I send it sealed **FREE.** Address HELEN DOUGLAS, 20 E. 22 St., New York

80c for 20 Names

Send me 20 cents and names and postoffices of 20 farmers and I'll send you for two years the Illinois Farmer, big semi-monthly, (big Woman's Fashions and Children's Depts.) Regular sub. price 50 cents a year. John M. Stahl, Pub. 1 J. P. Sta., Chicago.

State. That is little trouble and small expense. That enables us to do business, borrow money, collect rents and pay debts in our corporate name. The next step as I understand it is to get plans and estimated costs of the building. All these with necessary blank forms for incorporating and all necessary instructions will be sent from our National Headquarters at small cost.

Now, as the fellow said, "where are we at?" We are on safe grounds—our Equity home is a certainty, and I say to you that it would be a lasting monument to our good sense as well as a thing to be proud of while we live.

Mr. Pickett—Mr. Allen, I believe you are on the right track and I am with you. But while I am as sure as you are that the hall would be self-supporting and pay its debts, let me ask you, what are you going to do with the money when it comes in after the debts are paid. That's what bothers me some. But understand I don't expect nor want any of it.

Mr. Allen—I am very glad you asked me that question, of course it would pay its debt—what merchant as I said before wouldn't want the store room in Equity Hall? But to answer your question let me say that according to my education in the Equity plan, there should be no demand for nor desire for personal money gain in such movements. My understanding is that after all debts may be paid the money then, over and above the necessary expenses may be spent in either of several ways. We may enlarge and beautify our hall, we may join in with other local fortunate as we are and build an Equity Hall in our county seat. We may contribute toward the building of cold storage, or other ware houses and elevators and improving or building agricultural schools in which to educate our boys in their life's work. All these things are explained from headquarters.

This talk should have ceased long ago. If I have talked too much or slipped a cog you will excuse me. The one to address the union of this question should prepare himself. I have done as it is said the soldiers did in the war. I have just "loaded and fired as I ran."

Neighbors I have given the Equity Movement the best thought that God had given me. I have expended my energy and what little education I have to the subject and will say to you that if the Equity plan don't succeed it will be the fault of the farmers themselves. I know the farmer is a long suffering specimen but through the Equity plan he is coming to his own. I hope to live to see the day when every few miles along the highways of our country will be located an Equity Hall, all of similar design, so that the passer by may know from a distance that the old hay seed is no more, that he lives in an atmosphere of education, culture and refinement wherever he goes. Let us adopt this resolution and mark one more milestone along the line of farmer's progress toward industrial freedom.

The president—We have been very much entertained and enlightened by the remarks of Mr. Allen. Has any other brother anything to add?

Mr. Veach: We seem to all be of one mind on the subject of an Equity Hall. I will call for a vote on the resolution.

Carried Unanimously.

—o—

The post office department has 60,000 stations or offices to conduct its business; the railroads of the country have about 25,000 stations; the International Harvester company has about 10,000 agencies to distribute its machines to farmers; there is now one or more houses in every town in the country to buy and ship farm produce, over 150,000 in all estimated, and there are probably 10,000 wholesale and commission houses in the large cities to receive consignments. But agriculture has few stations or houses, owned by the producers themselves through which to grade, control and market their produce and what they have are not federated and do not work together.

—o—

To give an illustration of the difference between individual effort and organized, systematized effort, we relate that it cost Swift & Company one-sixth of a cent a pound, in 1907, to receive cattle, slaughter them, cool the meat and place in cars for shipment. In the same year it cost small butchers in New York City and Chicago 6 cents a pound to do the same and deliver their meat to consumers.

—o—

The present plan of marketing farm crops is uncertain, disorganized and extremely costly. With only 1,000 local unions of 100 members each the Equity System can be established to do everything desired by farmers. It will also compel a better system to be adopted by all handlers. Compare this 1,000 organizations, stations or local unions for agriculture, our most important industry, with the machinery of the post office, railroads, or some manufacturing concerns.

Let's organize a local union of the Farmers Society of Equity at each important shipping station. It is not necessary to follow Mr. Allens plan, that is only suggestive of how it can be done some places. We believe most local unions will prefer to sell enough stock of their corporation and contract the job. All who have become interested should fill out and send this coupon at once.

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the

Farmers Society of Equity, at .....

..... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course.

NAME .....

ADDRESS .....

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 55, Sta. F, Toledo, Ohio.

Tell them you saw the "ad" in Up-to-Date Farming

Your Opportunity—$10 Cash Secures 10 Acres
Texas Gulf Coast Land

Located in a district which is attracting the attention of the entire country, where prices of land are advancing rapidly, where there is ample rainfall for crops without irrigation and where farmers are making from **$200 to $700** per acre per year off of their land.

To Test the Value of This Means of Advertising

we are going to offer 32 ten-acre tracts of this land at a very low price and upon terms so easy that any one can buy 10 acres and never miss the money in paying for it.

Here Is Our Proposition

We will sell you 10 acres of this land for $300.00 and accept $10.00 down and $10.00 a month until paid in full. There are no other payments of any kind for you to make as we charge no interest on deferred payments and pay the taxes until you get your deed. We also allow you 30 days grace in making your payments.

Our Guarantee

We guarantee this land to be all open prairie farm land, free from brush, stumps, rock, or timber. The soil is a dark sandy loam which will produce such crops as figs, oranges, strawberries, garden vegetables, corn, cotton, pecans, and various other products grown in the Gulf Coast land.

Our References:

Monroe National Bank, Chicago.
Merchants and Farmers State Bank, Sullivan, Ill.
D. C. Brown, Chicago Representative of Up-To-Date Farming.

Map below gives you an idea of the location of our land.



10 Acres Means Independence

Prominent Men

predict that in a few years these lands will be selling for from $200 to $1000 per acre, and that they will be producing crops to rival those of Southern California.

If more particulars are wanted write for them at once.

Houston

One of the most progressive up-to-date cities of the south is only about 17 miles east of this land. It has now about 100,000 population and when the Panama Canal and Houston's deep water channel is completed will probably make a city of 250,000 people, and all nearby farm lands will be very valuable.

This Land

is also 2 1-2 miles from Dairy and Clodine stations on the S. A. & A. P. RR. and a fine shell macadam road leading into Houston will be about a mile from the land.

Remember

We will only sell 32 ten-acre tracts, and all money will be returned after the first 32 orders are in the office. The Chicago Manager of this paper will be here and will allot the tracts in regular order as reservations are received from 1 to 32. First come first served.

Send $10 Today If You Want 10 Acres or $20 for 20 Acres

Cut out Coupon. Mail it Today. Be one of the 32.

H. WILSON & CO.,
704 Marquette Bldg., Chicago, Ill.

Dear Sirs: Please reserve for me.....acres
(Write in figures 10 or 20, the number of acres wanted)

of your Texas Gulf Coast Land for which I am enclosing $..... as first payment. It is understood that contract for deed, together with a plat showing my land, is to be sent to me at once or money returned to me promptly.

Name .....

Address .....

Town ..... *State* .....

SPECIAL NUMBERS

THE EDITOR OF THE GARDEN AND ORCHARD DEPARTMENT HAS IN PREPARATION TWO SPECIAL NUMBERSR OF EXTRAORDINARY VALUE. THEY ARE

MARCH 1st., GARDEN NUMBER
MARCH 15th., SMALL FRUIT NUMBER.

EITHER ONE OF THESE WILL BE WORTH MANY TIMES A YEARS SUBSCRIPTION. THEY WILL START OUR READERS IN THE WAY TO HAVE THE BEST GARDENS THEY EVER HAD, AND MORE AND BETTER HEALTH GIVING FRUIT THAN MOST OF THEM EVER HAD. MR. HAMILTON, HIMSELF, SAYS THESE SPECIAL NUMBERS WILL SURPASS ALL FORMER ONES.—Editor.

LADIES SOCIETY OF EQUITY

STATE ORGANIZER SELECTED

At the last state convention of the society Mrs. Martha A. Culbertson of Three Rivers, Mich. was selected to be state organizer. Mrs. Culbertson is now ready to assist farm women anywhere in the state to organize and co-operate for the development of the social life in rural communities and advancement along other lines of farm womens interests and activities. She is an eloquent and entertaining speaker as the following press and other notices reveal:

Without disparaging any of the speakers I must admit that Mrs. Culbertson's speech was the best made at the Cincinnati convention—Col. Jessie Harper.

Mrs. Culbertson's speeches are fascinating, indeed brilliant. She is witty, graceful and pleasing. Her eloquence is of a high order.—Chicago Express.

Mrs. Culbertson has made several successful lecture tours covering various states. She is a noted temperance worker. She is a farmer's wife. Her address is Three Rivers, Mich.

Mrs. Culbertson wrote to UP-TO-DATE FARMING as below and requested that her letter be printed for the benefit of all farm ladies. It is a pleasure for us to grant her request. Her letter follows:

TO THE LADIES ON THE FARMS:

I have read of the Michigan Ladies Society of Equity and of some other young organizations of farm women and I am indeed glad that the farm women, are at last making a genuine effort to organize and co-operate. From what I have learned of the plan I believe it is practical and consequently have faith that great good will come from these attempts. All sincere efforts along that line will enlist my hearty co-operation.

In 1878 I dedicated my life energies, outside of family necessities, to the cause of the uplift of country women. I felt called to this work and I have since that time worked in many states in the interest of the farming class. I always recognized the need of improved living conditions in the farm homes, a higher social attainment in agricultural communities and I felt it my duty to do what I could to advance this cause.

I have always responded when called, whenever possible to do so. I do not hesitate to accept the responsible position I have been called to fill, but my heart and my best efforts will go into the work. These newest efforts are exactly in the direction I have been working, therefore I now fall in line and will march with the procession, or lead it.

I assisted to organize the A. S. of E. and am a member on demit. But it having lapsed. I gladly take up the work for the Ladies Society.

I am conscious of the great work ahead of us to secure Equity, Justice and ideal conditions in country life. I appreciate that at present there are few of us to do it. But I am not appalled, but look forward, never doubting that the good, kind, long-suffering women of the farms will stand as high socially and live under as pleasant conditions as any others in the country.

I think the dear sisters who are working so faithfully and so unselfishly for the uplift of the whole agricultural business and its people, are deserving of all praise. My message to them in all parts of our land, is; be brave, confident, and persistent in your noble work and we will win.

I am sincerely and fraternally yours,
Mrs. Martha Culbertson, Three Rivers, Mich.

IN MEMORIUM

Died. Sister, Mrs. Alice Bartlett, of Central Lake, Mich., Jan. 14, 1910. She was a beloved member of Rose Local No. 3, and we grieve very deeply because of her death.

Sleep on gentle sister,
In thy tomb of clay;
Sleep on 'till the Judgment day,
Then thou shalt rise
To meet in the skys
The loved ones that you have left behind.

MICHIGAN ROSE LOCAL
Mrs. James Barnes,
Mrs. Frank Kidder,
Mrs. Alex Hosler,
Committee.

Echo Lodge No. 4601 F. S. E. met Jan. 15, at Brother Frank Kidder's home. Sixteen members present and a number of ladies and young people. The chief business was whether the Farmers Society of Equity and the Ladies Society of Equity should continue as separate organizations. This union declared by a unanimous rising vote that the ladies locals should combine with the mens. Also that the women should enjoy the same rights and privileges as the men. The balance of the program was interesting and much interest was manifested.—L. G. Button, East Jordan, Mich.

THE FIELD

BRIGHTER PROSPECTS THAN EVER

Farmers Society of Equity:

This is to report that we have reorganized our local union and the prospects are now brighter than ever before. We took in five new members which I report also the new officers. Hereafter we intend to meet with closed doors, admitting none but members. Is this proper?

Mike Minnaugh, Ex. Pres. Empire Union, No. 1, Empire, Mich.

Yes, it is entirely proper to meet with closed doors whenever business is to be transacted that non members are not entitled to. Let them join if they wish to enjoy the same advantages members do. The Great Lessons or degrees make closed meetings necssary. If you are not using them you should. Pres't.

UNION OF MEN AND WOMEN IN EQUITY

Dear President:

As there is considerable talk here about a change in the constitution of the F. S. E. to permit women to become full members, the same as men, I will give my ideas.

I consider that there would be some decided advantages in the union to wit: It would often help in getting a quorum; it would help to get the men to the lodge as some don't like to go without the family, and we could concentrate our strength and efforts for common objects. The women through this section are more energetic than the men, for organizing, and it will probably be the same elsewhere. I believe there should be an age limit, say 16 years for females and 18 for males. Also I would have the locals business conducted in secret as much as the Masonic Lodge or Odd Fellows. This would keep from the public much of our business. Also I recommend a strong pledge for mutual help among members and loyalty to the F. S. E. The Treasurer and Secretary should be different people and the treasurer should be bonded. A ritual should be used for opening and closing locals and our God and Savior proclaimed.

I now want to say a word about our paper—Up-to-Date. It is the right kind of farm paper and it always grasps things by the right horn. I want it to keep on pointing out the wrong ways and guiding us in the right way and thus we will surely win. Hurrah for UP-TO-DATE FARMING and our grand F. S. E.—L. G. Button, East Jordan, Mich.

BENEFITTED A GREAT DEAL
(Prize Letter.)

Dear Editor:

I have read UP-TO-DATE FARMING about one year and find it comes up to its name. It is certainly up-to-date in its reading matter and far ahead of any other farm paper I have ever read in the important matter of price-making for all farm products. The paper has benefitted me a great deal. Sometimes I have found a little reading worth more than a year's subscription. Since reading UP-TO-DATE FARMING I have adopted the plan of asking my own price for my produce. I have sold all of my surplus potatoes at 20c more per bushel than my next neighbor got; also other crops the same way. If I had not read your paper, I would not have known enough to ask my price, consequently would still have been taking the prices made by the buyer.

B. F. SCHMIDT, North Buena Vista, Ia.

NONE TO FILL ITS PLACE

My Dear Friend:

I am very much pleased to learn that the circulation of UP-TO-DATE FARMING is increasing so nicely and I want to say that the paper is growing better all the time. I wish that the four last issues could be read by every farmer and business man in the U. S. Without a doubt, it would do a world of good. It is always a welcome guest at our home and I always read it first. There are none that can fill its place, so different is it from all other farm journals. I do hope that the time will soon come when every farmer's home will be blessed with its presence.

W. A. CAMPBELL, Hays, Kans.

A NOBLE CAUSE

Dear Friend:

I enclose fifty cents for your UP-TO-DATE FARMING, which according to my view, is a very insignificant showing for so noble a cause as is set forth in UP-TO-DATE. I have been, in a business way, acquainted with Mr. Everitt for more than twenty years and in all transactions, I have found him honest, progressive and up-to-date. May success attend his efforts is the sincere wish of—M. Cole, Athol, Kans.

IT'S A "CORKER"

Dear Mr. Everitt:

Your pamphlet "What Shall We Do?" is a "corker." If it reaches all the "deceived" the gang's following will be like the proverbial "hens teeth." Its great strength is it's truth. The conspirators will read it and exclaim: "we had him killed but as a corpse he is a hot member." It does me good to see this last blow that wipes them off the earth.—H. B. Sherman, Nat. Organizer, Greensburg, Ind.

THE ONLY PRACTICAL PLAN

Farmers' Society of Equity:

I want your terms to organizers. I am sorry the old society got side tracked but it will be restored in the F. S. E. You have advanced *the only* practical plan for the farmers emancipation. I wish you the greatest victory possible and hope I may assist in the movement.—E. R. Williams, (Sec. Lincoln County "Civic League") (Life Member, "Farmers' National Congress") (Former member Okla. Con. Convention") (Pastor 1st Bap. Church, Chandler, Okla)

A GRAND AND NOBLE WORK

Dear Editor:

I thank you from the bottom of my heart for the things you are doing for me and others. It is certainly a most grand and noble work you are doing. I firmly believe you have at last started us on the right track to success. Will I give a helping hand? Yes sir, I will give some of my time to the great work and perhaps more as I become more thoroughly educated in your school. I wish you the greatest success in the grandest movement ever yet undertaken.—G. V. Johnson, Alden, Mich.

WANTS TO COME BACK

Mr. J. A. Everitt:

Do you still print UP-TO-DATE FARMING? I have lost out on it and feel lost without it. Also tell me about the Farmers Society of Equity and the cost to become a member. I have an old membership card which I can send in if necessary. Please answer at once so I can become a member and again read your valuable paper.—Silas E. Rich, Eureka, Ill.

WANTS A DOLLARS WORTH

Dear Editor:

I enclose $1.00. Please send me a dollars worth of your grand UP-TO-DATE FARMING. Things are coming to the farmers today which never would have come if it had not been for the sound argument and strength of UP-TO-DATE FARMING to teach. May good bless the editors and give them strength to go on in the good work. I can see the result of your advice and teaching all through my neighborhood every day. I would like to see it taught to our children in the schools today. I repeat, be not afraid but go on with the good work.—Geo. B. Steadman, Utica, Minn.

THE PRICE MAKES OR BREAKS
(Prize Letter.)

Dear Editor:

I have read UP-TO-DATE FARMING 4 or 5 years. I think it is the best paper ever printed for farmers. From this paper I learned that the price of crops is more important than more production. I remember vividly that the big crops in 1895 brought only about half as much as some small crops. When I lived in Iowa oats sold for 10c a bushel and all I could get, by engaging 4,000 bu. of fine white oats at a time, was 11 cents. Last year I sold my oats at 50 cents a bushel. Since I have read your paper I don't dump my crops. I take three other farm papers but yours has the right ring. It is the *price* that makes or breaks the farmer.—Henry Biggs, Haukinson, N. D.

This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

QUESTION. *Please explain why the publisher of* UP-TO-DATE FARMING *charges 50 cents for the paper to members of the F. S. E. and let's non-members have it at 25 cents?—F. K. Knarr, R. R. 1, Lutherburg, Pa.*

ANSWER. You are mistaken. Members of the Farmers Society of Equity are charged only 25 cents since the subscription price was reduced.

Q. *In a circular I just received headed "Fees and Dues," the fee to become a member of the F. S. E. is put at $1.00, but in the little book called "The First Great Lesson" it is $2.00, which is correct?—Mike Minnaugh, Pres. Empire, Mich.*

A. Both are correct. The regular fee is $2.00 when an organizer's services is required. The $1.00 fee is a special dispensation to apply where farmers organize voluntarily and is made for a limited time.



Be A Railroad Man
Earn $80 To $185 A Month

We will quickly fit you at home by mail for a big paying position as Fireman or Brakeman. We have thousands of successful graduates. Our Instructors are practical railroad men.

We Guarantee Positions

positively to men between 20 and 30 years who are mentally and physically O. K. This is the railway official school, endorsed by Railroad Managers who give our graduates the preference. Thousands of positions waiting. Send today for full information giving age and weight.

The Wenthe Cor. School, Gen'l., Office 207, Freeport, Ill.

To Sell or To Hold

Is the important question with hundreds of thousands of farmers. The question will be answered in the next number of UP-TO-DATE FARMING. If you have not sent the crop-report card in, or if you were missed in the distribution, report on the below form at once. All reports should be in by **FEBRUARY 22, 1910.** Send to Farmers Society of Equity, Indianapolis, Ind.

CROP REPORT TO FARMERS SOCIETY OF EQUITY
Indianapolis, Ind.

Every farmer who receives this card should fill it out and mail it at once. Write with pen or sharp pointed pencil.

NAME OF CROPS	No. of acres you had 1909	No. of acres you will have 1910	Yield in bu., bbls., bales, etc. 1909	Per cent increase or decrease in your neighborhood (estimated) 1910 over 1909	How much had you on hand Feb.1 1909	How much had you on hand Feb.1 1910	Per cent of holding increase or decrease in neighborhood (estimated) 1910 over 1909
Apples bbls.							
Beans bu.							
Barley bu.							
Broom Corn, tons.							
Butter lbs.							
Corn bu.							
Cotton bales							
Cattle fat, lbs.							
Eggs doz.							
Hogs fat, lbs.							
Hay tons							
Milk gal.							
Oats bu.							
Potatoes bu.							
Sheep fat, lbs.							
Tobacco lbs.							
Wheat bu.							
Wool lbs.							

This report is from ..... P. O. .....
R. R. ..... County ..... State .....
Are you a member of Farmers Society of Equity? .....

GREAT SIXTY-DAY OFFER

Everybody wants a telescope. Who has not wanted to study the stars at night? Who has not needed to see things at a distance?

But a good telescope has heretofore been out of reach of the masses because of the price. A small, inferior glass would cost a good many dollars. We want to introduce the Excelsior Telescope into thousands of new homes so make this most liberal and astonishing 60 day offer. Tell your friends—advertise it—that is the object of this offer. Only $1.00 for a telescope three and one-half feet long when extended. Measure of the distance—42 inches. The like was never known before. Order today before our supply is exhausted. Remember we guarantee satisfaction or money back. No risk when you order an Excelsior Telescope. And we will include a Solar Eye Piece that has never been supplied before on telescopes selling for less than many times the price of this. Study the sun—look at him face to face by using the Solar Eye Piece.



Telescopes heretofore provided with a Solar Eye Piece or dark lens for sun observation have cost from $8.00 up. We have reproduced a Large Solar Telescope, which for $1.00 will enable people to correctly see the sun for the first time. Previously you have only seen the rays of light, or sunbeams.

STUDY THE SUN

The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light, which is larger by 900 times than all the planets combined, and which supplies all the planets with energy by its radiance. Our $1.00 Excelsior Telescope will help you in this study, notwithstanding the fact that the Sun is 93,000,000 miles away. Through the Solar Eye Piece you can see the sun as you never saw it before. Not only is the sun magnified thro this Telescope, but the Dark Lens and the Solar Eye Piece robs it of its dazzling effect on you, and you can see the sun properly.

This is a long, powerful Telescope, for terrestrial and celestial use. This Telescope is provided with an adjustable Solar Eye Piece for sun observations. Every student, male or female, needs this Telescope to study the sun in *eclipses*, also the mysterious recurrent sun spots.

Never before was a Telescope with Eolar Eye Piece sold for less than $8.00 or $10.00. This Eye Piece alone is worth more than we charge for the entire Telescope to all who wish to behold the sun in its tranquil beauty. Remove the Solar Eye Piece Lens and you have a good, practical Telescope for land observation, etc.

POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3 1-2 feet, in 5 sections. They are brass-bound, brass safety cap on each end to exclude dust, etc. with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1. Postage 10 cents extra. If insurance is desired, 10cts. more. This is a grand offer, and you should not miss it. We *warrant* each Telescope to give satisfaction or money refunded.



Superior to a $15 Glass

Fred Walsh, of Howe Island, Ont., Canada, says: Gentlemen—I have just received your telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are more than double what it cost me.



Brandy, Va.

Gentlemen:—Please send me another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money.—R. C. Allen.

An old hunter tells us that he never goes into the woods without a strong lense to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines.

Microscope and Telescope

I have fairly tested the Excelsior Solar Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.—F. S. Taylor, Box 376, Davenport, Iowa.

COUNT CATTLE 20 MILES AWAY

A Kansas Farmer Counting Stock Twenty Miles Away

I wish all to know how satisfactory the Excelsior Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, Yours truly, F. G. Patton, Arkansas City, Kans.

Mr. C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes, says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.

Could Discern Boats from Five to Ten Miles Away

GOOD THINGS OTHERS SAY

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.

Very satisfactory.—Eugene J. Halle, Booneville, Mo.

Wonderful at the price.—Alfred L. Edwards, Athol, N. Y.

Satisfactory in every way—H. J. O'Sullivan, Schnectady, N. Y.

Much better than expected.—O. R. Oakley, Bridgeport, Conn.

Just as you represented.—T. W. Wakeman, Waterlick, Va.

Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.

Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.

Would not take $5 for it.—Thomas L. King, Luffman, S. D.

If I could not get another, would not sell it for $10.—J. T. Huntre, Falls, N. C.

Could read signs on Oakland Pier, three miles away.—E. Salanave, San Francisco, Cal.

Send two more; well pleased with first one.—J. W. Seifert, Prattville, Ala.

WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room to print.

You need not take our word for it, but write ony one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITY*, and send us the money, *and we will guarantee you perfect satisfaction or money refunded.*



Using an Excelsior Telescope Lens to Light Cigar

SUN SPOTS



The mysterious spots on the Sun. Get our Solar Telescope and see them.

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the general level. Their cause and the precise theory of their formation are still uncertain. At intervals they are very abundant; then there are periods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and the violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effects upon the weather!



Using the Eye Piece of an Excelsior Telescope as a Microscope.

BUY THE BOY A TELESCOPE

Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy*, if he is given a few ideas now to think about.

There are always many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*

HISTORY OF THE TELESCOPE

The telescope seems to have originated in Holland early in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own Excelsior Telescope was first brought out in 1886, but the Excelsior Telescope of today, with its Solar Eye Piece, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.

Let the keynote of this advertisement be implicit confidence in us, and we will make good or money refunded.

A Telescope brings new brain cells into play; it opens new avenues of thought and broadens one's resources.

Interesting booklet entitled "Telescope Talk" FREE with each order. This booklet tells all about the care of telescopes, eclipses of sun and moon, etc.

THE GREAT $1.00 WONDER

The Pleasure and profit derived from this Telescope is like money invested at compound interest—the longer you have it the more you get out of it.

PRICE $1.00—By mail, prepaid, delivered in perfect condition, insured, $1.20. By mail, not insured, $1.10.

People's Wholesale Store, - - Indianapolis, Indiana

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Agents Wanted

AGENTS—Handy Hame Fastener. Every horse owner buys at sight. 200 per cent. profit. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

AGENTS: 100 per cent. profit. Monkey-wrench, plumbers plyers, with 13 other tools combined. Most wonderful combination of tools ever made. Lightning seller. Sample free for examination. Forshee Co., B. 1365 Dayton, Ohio.

Clothing

WOMEN'S SHOES, made to your measure. Factory to you prepaid, prices right, particulars for stamp. F. A. Crocker, Lincoln Center, Maine.

Correspondence Schools

DON'T PAY $20 to $30 for Real Estate, Insurance and Brokerage Course. I sell one for $2.50, same as sold by certain company at $20 or money back. D. W. Edmonds, Youngstown, Ohio.

Farm Lands For Sale

FARM of 360 acres for sale at $30.00 per acre, for the next 60 days. Worth $100.00 per acre. Worth investigating. In the World's renowned Coast Country of Texas, where real winter weather is unknown. Pastures green the year around. Also truck gardens. A. M. Coulter, Houston, Tex.

FOR SALE——Improved and unimproved lands and ranches in Rose Bud District, South Dakota—the state that grows bank accounts. Excursion March 15, 1910. For Booklet and list address Sceffer Land Co., Tipton, Ind.

FOR SALE—Southeast Mo. Mississippi Co., rich re-claimed, drained lands will produce fine wheat, corn, alfalfa, red clover, timothy, stock or field peas, all kinds of vegetables, fruit, a good stock country; water 20 to 25 feet deep. When looking for a location why not investigate our lands? Located just south of Illinois; mild winters and good healthful climate. For particulars and prices write for descriptive folder; it is yours for asking; we can please you. Address M. W. Mayes, Charleston, Mo.

FREE FARMS—The U. S. Government has over two hundred million acres of surveyed lands, unappropriated and unreserved, open to homesteaders. Our book describes every acre of available land, tells how to secure a farm, free, where and when reservations are to be opened, location of U. S. land offices, etc. Price 50cts. Roth Realty Co., Majestic Bldg., La Crosse, Wis.

FRUIT, GRAIN AND STOCK FARMS for sale in Oceano Co. Write C. W. Morgan, Shelby, Mich., for lists.

KANSAS HOMES—5 to 640 acres, town lots, store buildings, blacksmith shop. Write to John Hoyt, Farmers Agent, Irving, Kans.

MICHIGAN FARMS, all descriptions; postal brings catalog. Isaac Kouw & Co., Holland, Mich.

MICHIGAN FRUIT AND FARM LANDS—We sell improved and unimproved farm lands right in the celebrated fruit belt of Mich. Lands very productive for farming and fruit growing. Write us for information. James Greacen, Kalkaska, Mich.

MILLION ACRES Texas School Land for sale by the State; $1.50 to $5.00 per acre; only one-fortieth cash, 40 years on balance; three per cent. interest; good agricultural land; some don't require residence; send 50 cents for 1910 Book of Instructions, New State Law and description of lands. J. J. Snyder, School Land Locator, 536 Congress Ave., Austin, Tex. Reference, Austin Nat. Bank.

WHY BE A SLAVE—Buy a farm in southern Illinois. Improved lands $50 to $75 per acre, any size farm. Easy terms. An acre of cucumbers, melons, all kinds of berries and potatoes will earn $200 to $500 net. Corn, oats, wheat and all kinds of vegetables easily grown. For particulars, write SOUTHERN ILLINOIS REALTY Co., Dongola, Ill.

Farms Wanted

WANTED—Farms and businesses. Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, Minneapolis, Minn.

WE SELL your property. Send description. Northwestern Business Agency, Minneapolis.

Fencing

UP-TO-DATE MOVABLE FENCE PANEL—You make it at home out of old material. Storm proof. Set a rod a minute. Mad River Fence Co., West Liberty, Ohio.

Ferrets

5,000 FERRETS for sale. Write for price list. It's free. Safe arrival guaranteed. De Kleine Bros., Jamestown, Mich., Box 80.

For Sale—Tobacco

30,000 POUNDS leaf tobacco for sale. Send stamps for sample to Anton Wavrin, R. R. 5, Box 34, Franklin, Ky.

For the Home

LIVE BETTER for less money. We tell you how. Practical recipes and valuable information for only 4c stamps. Write today. Purnell Co., 1445 Grattan St., San Francisco, Cal.

Ginseng

GINSENG is one of the best paying crops grown. Write for prices. "Ginseng Culture" free. W. N. Long, Florence, Ky.

Machinery

SAW STOVE WOOD, fast, easy, foot power. Booklet free. N. McAslan, Yorkshire, Ia.

Male Help Wanted

MEN WANTED——To prepare for next Railway Mail, Customs and Postoffice examinations. $600 to $1,500 yearly. Salary twice monthly. Annual vacations. Short hours. Steady work. Common education sufficient. Country and city residents equally eligible. Political influence unnecessary. Over 10,000 appointments every year. Write immediately for schedule showing places and dates of examinations. Preparation free. Franklin Institute, Dept. P., 31, Rochester, N. Y.

WANTED—500 (Five Hundred) YOUNG MEN—Painters, Machinists, Woodworkers, Upholsterers and Trimmers, not necessarily experts, but young men who are honest, with a clean reputation, who desire to learn good trades with a reliable concern in one of the healthiest cities in the world, where every man has a chance to make a home. Men who gamble and drink need not apply. If you already have experience, so much the better. Write out full detail, giving your age, and experience if any; also references and the trade you prefer; whether single or married and how many in family. Address W. B. Pond, General Supt., "Studebakers" South Bend, Ind.

WANTED—A man on farm, B. S. Hollopeter, Bigtimber, Mont.

Paint

EVERY FARMER in the United States needs at least one gallon of Chrisman's XX Paraffin Paint to cover farm wagons, tools, and machinery, silo, wooden tanks to keep them from shrinking. Answers a better purpose than a wagon house as the tools are always under cover. It absolutely sets the tires on your wagon wheels. It defies the elements. Corporations buy it in car lots. Agents wanted. Paraffin Paint Works, Eldred, Pa.

Patent Attorneys

ADVICE and book relative to patents sent on request. Beeler & Robb, Patent Lawyers, 60-62 McGill Bldg., Washington, D. C.

PATENTS: All about them and their cost. Send for Free Books. Shepherd & Campbell, 214 G. McGill Bldg., Washington, D. C.

"PATENTS THAT PAY"—Protect your idea! 2 books free: "Fortunes in Patents—What and How to Invent," and 61-page Guide. Free report as to patentability. E. E. Vrooman, 838 F St., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

Poultry and Supplies

52 LEADING VARIETIES poultry, pigeon, hares, stock and eggs, for sale. Stamp for catalog. H. Musselman, Morwood, Pa.

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

30 VARIETIES: Geese, Ducks, Chickens. Catalogue free. Minkel & Co., Mapleton, Minn.

TURKEYS, Narragansett, Bourbon Red, White Holland, Mammoth Bronze. Write S. Durigg & Son, Armstrong Mills, O.

Produce Commission Merchants

TAKE NOTICE, poultry, eggs, potatoes sold highest prices. T. J. Hoover, 344 Water St., Phila, Pa.

Seeds and Nursery Stock

HIGH BRED BROOM CORN Seed, more and finer corn to acre than ordinary seed. Write W. P. Fanning Seed Co., Oakwood, Ill.

SEED CORN—Boone Co. White, Reid"s Yellow Dent and Leaming. Carefully selected—shelf dried and shipped on approval—also oats and clover seed. Catalogue free. Oaklawn Seed Farm, Chatham, Ills.

STRAWBERRY Plants. Best Varieties. Catalogue Free. Basil Perry,, Cool Springs, Delaware.

Sheet Music

50c SHEET MUSIC 10c—Rosary, Palms, Calvary, Anchored, Jerusalem, Lost Chord, and 1,400 other regular 50c numbers postpaid 10c each. Write for catalogue. National Music Emporium, Farmer Desk, Albany, N. Y.

Thoroughbred Stock

FINE HIGH BRED trotting stallion; 2 brood-mares, broke; elegant 4-year-old filly; all registered, and for sale. Oscar Glime, Arlington, Ia.

REGISTERED POLAND China hogs, male and female. B. S. Hollopeter, Bigtimber, Mont.

Miscellaneous

BROTHER: Accidentally discovered root will cure tobacco habit and indigestion. Gladly send particulars. G. T. Stokes, Mohawk, Florida.

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Greatest discovery of century. Send your name at once. KING NI-KO U, Wichita, Kansas.

WHO WANTS THEM AND WHO HAS THEM

The following communication was received from F. S. E. Local union No. 6076 at Fort Plains, New York:

Farmers Society of Equity,
Indianapolis.

Our local union has the following to sell:

Potatoes, 500 bushels; White Rice pop corn on ear, 150 bu.; extra nice seed buckwheat, 175 bu.; extra nice white seed oats, 200 bu.

We want to buy the following:

Clover seed, 25 bu; Timothy seed, 50 to 75 bu.; seed corn, flint and fodder, 10 bu.; bran and middling mill feed, one car load.

—o—

This again brings to the front the thought of what a great benefit our official paper may be to members in all parts of the country. What can be more reasonable and equitable than for members to deal with each other?

—o—

If the local unions in the South would announce their wants through these columns, the locals in the North would read them and direct deals could be consumated to the advantage of both. And the same way between East and West, or in neighboring townships or counties.

—o—

There may be some objection to the scheme that we don't realize now, or members themselves may be too apathetic to work out of it the benefits that the plan seems to possess. The only way to learn is to try it. To this end we invite other locals to report their surplusses and needs and we will publish them without charge. Also if any member at large has considerable surplus to dispose of or material needs now send us a list.

—o—

We wonder whether such a plan as this would not help to solve the great problem of high food prices, amongst our own people at least? Certainly the exploiter could not get his toll out of what goes direct from the producer to the consumer. This plan should appeal strongly to all farmers to organize in local unions and get this free service.

THAT farmer who does not learn how to market his crops to prevent gluts on markets, and low prices, and then practice that plan fails sadly to be just to himself and all other farmers. It is a duty he owes to himself, his family, his brother farmers all over our great land, men engaged in other lines of effort and to God. Since there is a practical way to market crops to compel steady, uniform, equitable and profitable prices, which will benefit everybody, the great responsibility is placed on every farmer to know, and do that way.



Dear Richard:

No, this is not a foot race, but it is an illustration how farmers are coming to the Farmers Society of Equity. Fall in and help make it a constant stream this year when a million farmers will have their names registered.

—TOM.



SPECIALISTS

IN

Bright's Disease and all Kidney Troubles, Diabetes, Bladder Troubles, and Uremic Poisoning.

Our Book, Analysis of Urine, and Diagnosis for the asking, without cost or obligation.

Our Remedies are Herbal, non-poisonous, non-sedative, non-alcoholic and absolutely harmless, but are not PATENT Medicines.

Patients have secured Life Insurance after previous rejection.

Investigate our record for twenty years.

We guarantee no misrepresentation.

FRANK T. BROUGH, PH. G., M. D.,
Medical Director.

THE TOMPKINS-CORBIN CO.,
39 West 25th St., New York City

Take Your Time!

Let The Days Pass

one by one and make up your mind slowly, day by day. Take your time in deciding. Every day will mean something, will tell its story to you, but take your time. Note results each day, but wait until you are SURE. You will not be rushed, hurried or worried. We want you to take fully thirty days time to judge it, to know for yourself. If you want more time, take it. **TAKE ALL THE TIME YOU NEED.** Be quick in sending for it--be slow in paying for it. Take time to **FIRST MAKE SURE.** When you are sure, **PAY FOR IT.** If you are not sure, **DON'T PAY A PENNY.** We want to send you a full-sized dollar package of Vitæ-Ore entirely on trial, want you to have fully thirty days to watch its results, to note its action in your system, to see how it benefits your health, to see how it cures sickness and disease, to learn **WHAT VITAE-ORE WILL DO FOR YOU.** We mean just what we say--it is all left to your decision--take plenty of time to decide. We know V.-O.--we take all the risk.

Proven By Time.

An Open Letter From Theo. Noel.

Over a quarter of a century has come and gone since I first offered the original Vitæ-Ore to America's sick, and my faith in its powers to heal and cure various diseased conditions of the human body grows stronger every day. **I believe in Vitæ-Ore because I know.** Any man who would sit in my office for one day and read the letters which come to my Company, telling what Vitæ-Ore has done for men and women sufferers in all parts of the country, could not do otherwise than believe in it and be satisfied of the good work it is doing, and I have read such letters at my desk for many years.



When I first offered Vitæ-Ore to the world I believed in it and its powers, **else I would not have offered it.** I thought I would do some good in the world while making a competency for myself. I was a middle-aged man, beyond the wild theories and enthusiasms of youth, and **knew the properties** of what I was offering. But in my fondest hopes I did not anticipate the future that lay in store for Vitæ-Ore, the world-girdling influence which it would yield, the **thousands, yea, millions of sick people whom it would cause to be benefited.**

And now, at the ripe age of seventy years, as I look backward over the past and see the present Vitæ-Ore business, with its sales of hundreds of thousands of packages yearly, I find therein proof that my first belief in Vitæ-Ore was right, that my confidence in it was justified, that the verdict of the people and the passage of time have proven my claims true. Vitæ-Ore has succeeded because it has done the work that it was advertised to do, because it has brought satisfaction to those who have used it. Its remarkable achievements of the past are the best pledge of its usefulness in the future.

I say to the sick, **give Vitæ-Ore a thorough trial and see what it will do for you.** Follow the example of the thousands who have used Vitæ-Ore with profit to their health. I give this word to all sufferers, no matter what the ailment, for while Vitæ-Ore cannot cure genuinely incurable cases or cases in which operations may be necessary, there are but few cases in which it cannot be of some benefit, owing to the almost inevitable constitutional improvement which follows its steady use. The letters in this page, which I ask the sick to read, **tell their own story in a way no man can question or doubt.** They are but a few of the thousands I have seen and read during the past twenty-five years. I personally vouch for the genuineness of each and every letter contained in this page and ask all who seek health to follow the road plainly pointed out to them by thousands of grateful former sufferers.

Theo. Noel

How Can You Refuse It?

Vitæ-Ore is offered to you freely, unreservedly, just on YOUR WORD that you want it, YOUR PROMISE that you will use it. That is all! What is your excuse if you do not send for it? You need the HEALTH it offers; you NEED IT to help you get the strength, vigor, and comfort in body and mind THAT YOU OUGHT TO HAVE. Give Vitæ-Ore a chance to prove it is just what you have long been wanting; just what you NOW ARE SEEKING--a means to perfect, absolute, permanent health, Vitæ-Ore holds out to you the helping hand that has lifted thousands up to strong, virile, vigorous, happy, disease-free manhood and womanhood--what is your excuse if you do not grasp it? You want health, your family wants you to have it; Theo. Noel, the founder of Vitæ-Ore, whose open letter is on this page, wants you to have it, all of your neighbors, your friends and associates, all want you to have HEALTH. Vitæ-Ore offers a chance for all this to you. When it does its work it is as though Health were placed upon a platter and brought to your table. The Theo. Noel Company is the waiter, awaiting your call, ready, willing and anxious to serve it to you. There need be no tip, no fee, not a penny unless you are satisfied with the service. You have but to ask, but to say the word, but to crook your finger, and you will be helped to your share. Read our trial offer and send today!

Read This Trial Offer

Just Say The Word and we will send you a full sized $1.00 package of Vitæ-Ore, enough for one month's continuous use. We want to send it on thirty days' trial. We don't want a penny—we just want you to try it without any risk, just want the word from you telling us to send it to you. We are glad to send it to you in this way, for this is the way we sell Vitæ-Ore to the sick. We take absolutely all the risk—we take all the chances. You don't risk a penny. All we ask is that you use Vitæ-Ore for thirty days, see what it does for you and pay us $1.00 for it if it has helped you, if you are satisfied that it has done you positive, actual, visible good—benefit that you know and can feel. Otherwise we ask nothing, we want nothing and you pay nothing. Can you not spare a few moments to write OUR name and address on an envelope and YOUR name and address in the coupon, so we will know you want to try Vitæ-Ore? Cannot you spare a few moments each day for thirty days to use it? That is all it takes. Cannot you spare this little time if it means new health, new strength, new blood, new force, new energy, vigor, life and happiness. You are to be the judge. We are perfectly willing to trust to your decision, to let everything rest with your honor and judgement, as to whether Vitæ-Ore has earned its pay. Read what Vitæ-Ore is, read how it brings a healing mineral spring to your door and send today for a $1.00 package on trial.

Use Vitae-Ore For

Rheumatism and Lumbago, Kidney, Bladder or Liver Disease, Dropsy, Stomach Disorders, Female Ailments, Functional Heart Trouble, Catarrh of Any Part, Nervous Prostration, La Grippe, Anæmia, Piles, Sores and Ulcers, Bowel Troubles, Impure Blood and All Worn-Out, Debilitated Conditions.

COUPON

Theo. Noel Co., Vitae-Ore Bldg., Chicago, Ills.

I have read your large advertisement in the

UP-TO-DATE FARMING

and want you to send me a full-sized One Dollar package of Vitæ-Ore for me to try. I agree to pay $1.00 if it benefits me, but will not pay a penny if it does not. I am to be the judge. The following is my address, to which the trial treatment is to be sent by mail, postpaid:

Name _____

Town _____

State _____

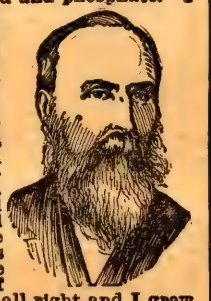
Street or Rural Route _____

A MINERAL SPRING At Your Door

Since the beginning of time mineral springs have been utilized for their healing and restorative powers. The ancients knew their value and had favorite springs, to which they resorted when feeble in health. Although in our artificial civilization, man has gotten far away from nature and natural modes of healing, the medicinal value of mineral waters has always been recognized and they are depended upon as curatives when other means fail. Doctors do not deny their value, but voluntarily acknowledge it when their prescriptions fail to benefit, by sending patients to mineral springs. The curative forces found in mineral waters come from the natural mineral deposits through which the waters force their way and the mineral from such deposits, if oxidized by exposure to the air, would no doubt become soluble in water and make mineral waters of great power. The name Vitæ-Ore means "Life Mineral" and the original Vitæ-Ore, founded by Theo. Noel and first offered by him to the sick in the year 1880, came from a natural mineral deposit, possessing, when mixed with water, curative virtues of a high order. Vitæ-Ore in its improved form is a combination of substances from which many world-noted mineral springs derive medicinal power and healing virtues. It consists of compounds of Iron, Sulphur and Magnesium, elements which are among the chief curative agents in nearly every healing mineral spring and are necessary for the creation and retention of health. Each teaspoonful of the liquid made from Vitæ-Ore, drunk in a half glass of ordinary drinking-water, makes a mineral water equaling in medicinal strength and healing value, many glasses of the world's powerful mineral waters, drunk fresh at the springs. Vitæ-Ore is a mineral spring, condensed and concentrated, brought right to your door.

Had Kidney Trouble.

MOULTRIE, GA.—When I first began Vitæ-Ore I had been afflicted for **about twelve years** with a serious Kidney Trouble, at times so bad that my urine would be thick with blood and phosphate. I tried several doctors, as well as patent medicines recommended for a trouble of this nature, but found absolutely no relief. I also took treatment at different times from three well-known **specialists without benefit.** At last I decided to quit fooling with medicines, feeling that nothing could do me any good and that I should become resigned to what seemed the end. It was at this time that I read the Vitæ-Ore advertisement and sent for a package with the hope it might be the remedy I was looking for. It did not require more than one week's use of Vitæ-Ore to satisfy me it was all right and I grew **better every day.** I gained twelve pounds in six weeks, and soon felt vigorous and hearty, although then 54 years old. I am now 58 years old and can do as much work on my farm as any hand I can get. I feel as though Vitæ-Ore saved my life. W. R. KEY.



Cured By Vitae-Ore 21 Years Ago.

NEW ORLEANS, LA.—In 1872, while stooping down to tie a boat, something went wrong in my body. I **was unable to get up.** I had to crawl to my house on my hands and feet and I lay in bed for one month thereafter. I had doctors, who got me out of bed but **I could hardly walk.** I suffered like this for sixteen years until 1888, when I saw an advertisement for Vitæ-Ore. All during that time, when I stooped down, I had to prop myself with my hands on my legs, inch by inch, until I was up. I could hardly walk on account of the pain. I sent for Vitæ-Ore and it has **cured me.** I have been using it as a family remedy ever since that time, for twenty-one years, and I am **in splendid health.** I am now 68 years old and think I would have been dead many years ago if it had not been for Vitæ-Ore. JOS. KISSLER, 2325 2nd St.

No Rheumatism In Twelve Years.

OROVILLE, CAL.—About twelve years ago I was suffering from an acute attack of Rheumatism in my hands and arms. My left hand was drawn out of shape, and I could not straighten out my arm. I obtained two packages of Vitæ-Ore. After using it one week I noticed **a change for the better,** and inside of two weeks I could straighten out my arm and use my hands, and soon the Rheumatism had entirely disappeared from them. I took four packages in all, and it drove out Chronic Rheumatism of fifteen years' standing from my feet. **I have never in twelve years had a sign of Rheumatism returning,** although I have been exposed to all kinds of weather. H. E. DOWNER.

A Bad Complication.

WALLACE, NEB.—Vitæ-Ore was the means of saving my life and rescued me from **an existence that was almost unbearable.** I had been suffering for a long time with Palpitation of the Heart and Smothering Spells, Nervous Prostration, Female Weakness, Catarrh of the Head, Throat and Stomach, Kidney and Bladder Trouble. In fact, I do not believe I had a sound organ in my body. **I was in bed for seventeen weeks,** when I was induced to give Vitæ-Ore a trial. I think it was a God-send, as all my diseases began to yield immediately and **I was cured** after two months use. I could do all of my own housework with pleasure, slept like a child and had a very good appetite. I gained 18 pounds in two months. This **was four years ago and Vitæ-Ore is now our standby.** It is at present nicely tiding me over the Change of Life. MRS. J. O. PURBAUGH.



You Pay For Only What Has Been Done. **You pay for the work, not words, and if the work has not been done to your satisfaction, you don't pay for it--No, not a penny! You are to be the judge, and you can easily judge. You know if you feel better, if you sleep better, if you are stronger, more active, if your limbs do not pain you, if your stomach or kidneys do not trouble you, if your heart or liver does not bother you. You know whether or not your organs are acting better, whether or not health is returning to your body. Send the coupon for a trial package today on these liberal conditions. ADDRESS US AS FOLLOWS:**

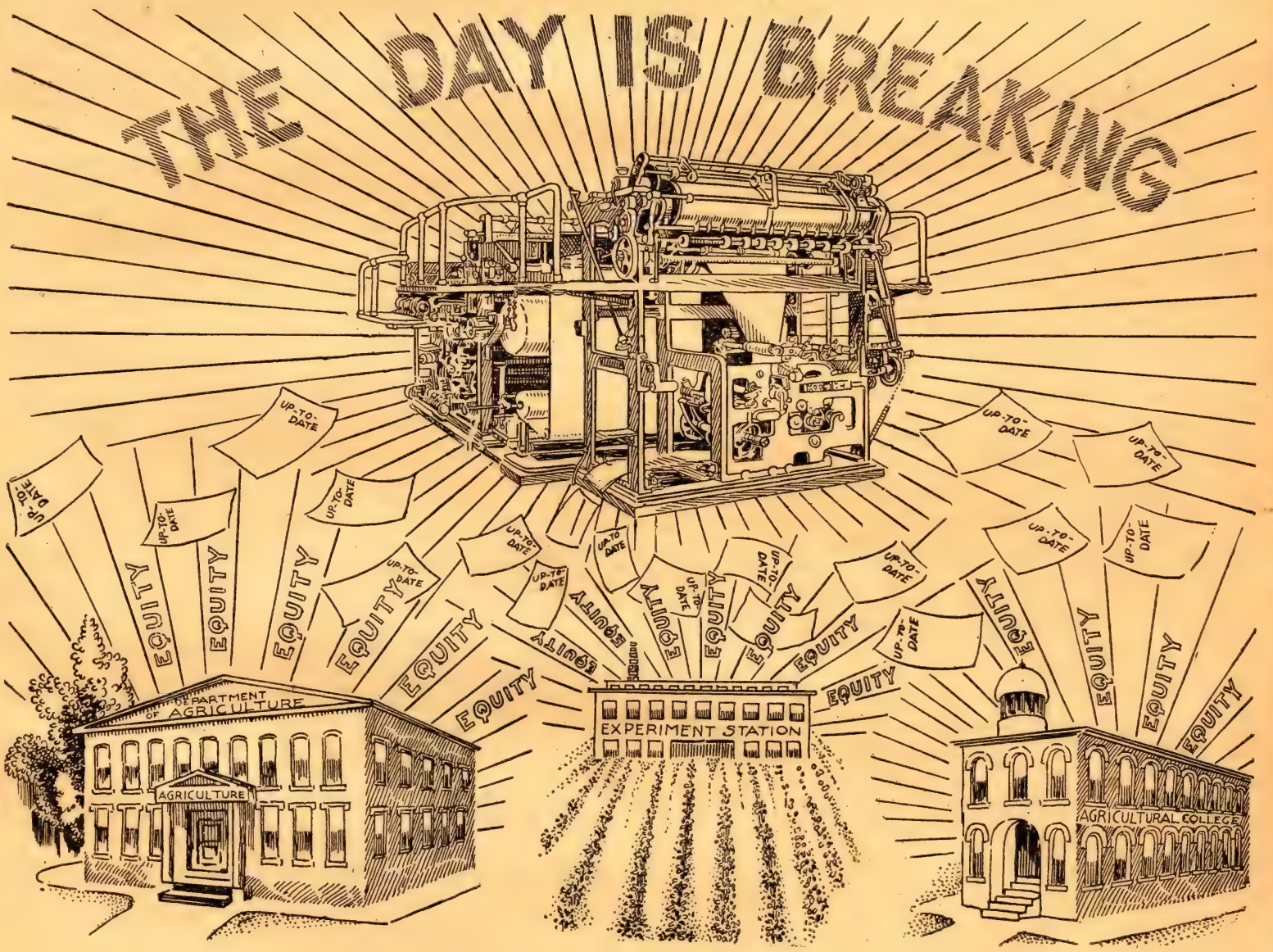
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CIRCULATION OF THIS ISSUE IS 140,000 COPIES

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, MARCH 1, 1910 | Number 5



We believe the day is breaking. The streaks of dawn are already visible above the horizon. Since we have been teaching controlled marketing, the principle has taken deep hold upon the people. * * The approaching daylight shows in the fact that this plan, so far as it is understood, is meeting with favor in the schools and colleges, at the experiment stations, and among those who are largely directing the progressive agricultural sentiment of the day. Were we to publish letters we have received from those in authority in such establishments, and even in high official stations bearing on agriculture, our readers would be both gratified and surprised.

(See Page Four.)

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD
It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.
400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

Where Money Grows On Trees

J. H. Hale, the noted fruit expert, in speaking before a meeting of the Michigan Horticultural Society, said: "Now is the time and here is the place for the development of the Modern Apple Orchard to its very highest state of perfection."

It has been abundantly demonstrated that Western Michigan is second to no section in the country for producing fine fruit, not only apples, but other kinds. Also for wheat, potatoes and clover, red and alfalfa, its soil and climate are particularly suited. When the people of the United States **HALF** realize the intrinsic value of this land they will wonder why thousands went to the far west and paid $1,000 an acre for fruit land, when there is its equal in Western Michigan at one-fiftieth the price.

You can buy large or small farms of me on the easiest kind of terms. It will make you more money from the crops and grow in value faster than almost any other land in the country. Don't go anywhere, or buy anything in land until you get my books giving facts and the truth about the **CADILLAC TRACT.** I don't ask you to buy; just learn the facts. Perhaps you will find near home what you thought was across the continent.

Mine is a **GENERAL FARMING** as well as a **FRUIT** proposition. Write to me before you lay this paper aside—Today.

SAMUEL STRICKLAND THORPE,

Room 2 McMullen Bldg., Cadillac, Mich.

WESTERN CANADA

Senator Dolliver, of Iowa, says:

"The stream of emigrants from the United States to Canada will continue."



Senator Dolliver recently paid a visit to Western Canada, and says: "There is a land hunger in the hearts of English speaking people; this will account for the removal of so many Iowa farmers to Canada. Our people are pleased with its government and the excellent administration of law, and they are coming to you in tens of thousands, and they are still coming."

Iowa contributed largely to the **70,000 American farmers who made Canada their home during 1909. Field crop returns alone during year added to the wealth of the country close to**

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319 acres near Warren and Niles, Ohio, and the wonderful Mahoning Valley markets; for sale at only $60 per acre; has 7-room house, cellar, porches, well and cistern; 3 barns, 35x45, and all other buildings in good condition; all improved but 18 acres of timber; a fine and big producing farm. Send for free list of farms

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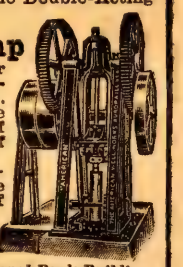
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It is accomplished with the Double-Acting

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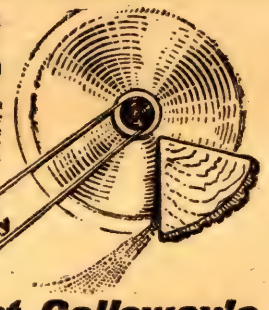


It delivers full cylinder capacity both on the **Down**-stroke and the **Up**-stroke. It requires at no time more power than the up-stroke of a single-acting cylinder of the same displacement.

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An engine that is made so good in the factory that I will send it out anywhere in the U. S. without an expert to any inexperienced users, on 30 days' free trial, to test against any engine, made of similar horse-power that sells for twice as much, and let him be the judge. **Sell your poorest horse and buy a**

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Prevents as well as cures. A small quantity in the drinking water—and you'll not be troubled with roup. A 25c. box makes 15 gallons. If your dealer hasn't it, sent prepaid on receipt of price.

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This remedy is a prescription of one of the best CATARRH SPECIALISTS.

This remedy purifies the breath, heals the ulcers and cures the disease. A nasal tube with each 50c tube; it places the remedy in the nostril and reaches the ulcers.

Thousands who have used it praise it. It is the most sensible way of treating this disagreeable disease.

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Space will not permit of our telling much about this book. Take our word for it, that it is worth many times our price If you are not satisfied we return your money on request. Among the titles of the anecdotes and stories contained in "A CART LOAD OF FUN" are the following: "A Man with a Liver," "Pumpkin Pie," "Poets and the Lightning-Rod Man," "How to Go-a-Courting," Baumgartner's Dog." "Stowe's Elephant Story," "Marriage a Scheme to Manufacture Happiness," "Mrs. Jones' Burglar." "Deacon Amos Tenderloin Discusses Dudes," The Sad Case of Fillay du Biff," "A Primeval Scrap," "A One-Horse Hotel," "He Concluded not to Commit Suicide," "Queerly Married." "Hannah was Aroused." "How the Tired Patient Man had His Feelings Upset," "Jone's Baby." "Breaking up a Cat Concert," and 148 others. "A CART LOAD OF FUN" is a book of 64 large double column pages, neatly bound in attractive colored paper covers price 10c each, 3 for 25c; postpaid. **COONER & FORTUNE CO., Indianapolis** **FOR 10 cts.**

UP-TO-DATE FARMING

Representing the Organized or Co-operating Farmers of America

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Work and Force of the Department of Agriculture

An Earnest Suggestion

THERE are few departments of our government more useful to farmers than the Department of Agriculture. In saying this we are speaking of the Department as a whole. We do not mean that nothing is done by the Department whose benefits never reach the mass of our farming people. On the contrary, some things are done that, so far as the average farmer is concerned, might as well not be done. But as a whole, this is the farmers' Department, and not many farmers have much idea how stupendous it is.

The crop reporting division of the Bureau of Statistics is a leading part of it. Four-fifths of the appropriation for that Bureau is devoted to the crop reports and the work connected with them. This is a part of the work of the Department, the monthly crop reports, that we have often thought more harmful than beneficial to the farmers. Whether the crops are indicated to be short or over-abundant, the reports do not come in time for farmers to correct the abnormal condition, and the information goes rather to the benefit of the gamblers in, and arbitrary price-makers of, the products. If the farmers controlled their own marketing it would be different.

The information upon which the monthly reports are based, is derived from salaried agents and voluntary correspondents. The voluntary correspondents serve without pay. They are, so far as can be known, good and truthful citizens, but it is natural for them to feel that they represent their own locality, and that it is incumbent on them to give the best possible showing to its crop conditions, and that their work will be more appreciated if they do so. There is no doubt but this feeling often leads to exaggerated reports.

Nineteen special field agents were employed last year. These agents devoted their entire time to the work, and traveled throughout the more important agricultural sections of the portions of the country assigned them, to secure information direct from farmers and others supposed to know farm conditions, and also through personal investigation of crops in the fields. So far as the whole country is concerned, this work can scarcely be other than superficial.

During last year there were employed forty-four state statistical agents. Each of these reported for the state in which he was located, deriving his information mainly from a list of voluntary correspondents, like those that report to the Department direct, and liable to be swayed by the same feeling of local responsibility and home pride. During the year the State and Department voluntary correspondents numbered not less than 135,000 persons.

In addition to these, there are 2,800 county correspondents, one in each of that number of counties, there being that many counties in the United States that are classed as agricultural. These correspondents report monthly direct to the Department at Washington.

The Bureau also has a list of about 33,000 township correspondents, located in agricultural townships. They are also expected to report monthly direct to the Department.

There is also maintained, we are told, a list of 25,000 individual farmers, who are called upon after the close of the growing season each year, for reports as to the results of personal farming operations; and in addition, information regarding wheat is obtained from grain dealers and elevator men throughout the country. Inquiries are also sent to all cotton ginners, and to a list of individual farmers in the cotton producing States, twice each year, regarding the acreage and yield of cotton.

In a small way, or rather in a circumscribed area, the Bureau has paid some attention to the cost of production of various crops. This feature might possibly be enlarged upon to the enlightenment of farmers on a subject not very much studied by them, and possibly to the general benefit of agriculture.

We have at least two objects in giving this summary of this part of the work of the Department of Agriculture, and the force engaged in it. 1. Farmers ought to know more than they do of their own department of government; and, 2, we believe the same machinery or force could be turned to still greater benefit to farming as a business.

The worst handicap the farmer has in his struggle for success is his method of selling. The price, it is conceded, is of more importance to him than the yield. The price of farm products, as of every other commercial commodity, depends, or should depend, upon the relation of the supply to the demand—the socalled law of supply and demand—coupled with the financial ability of the demand to satisfy itself. In spite of the present work of the Department, farmers have little means of knowing what this relation is. They may be able to compare the reported yield of one year with that of other years, and they may have a vague idea of what certain crops sold for during certain years, but they are powerless to turn even that indefinite knowledge to account in the important matter of price, for the prices come to them from warring factions in the pits and on the exchanges of speculation, where they are made by those who ignore the law of supply and demand with the same recklessness that they ignore the law of Equity and Justice—ignore all these, only as they may manipulate the reports to advantage on their side of the deals. They do not concern themselves with what the producers may justly have earned, nor with what would be an equitable price for the consumers to pay. These prices are so irregular and uncertain, based on nothing but the ability of one faction to win from the other, often changing with the products on the road to market, that farmers have drifted into the habit of dumping their stuff on oversupplied markets, thus crushing the life out of demand, and destroying any hope they may have had of dependable profits.

Why could not this tremendous force, already enlisted in the work of the Department, with students of demand, consumption and price added, include in their reports an estimate of both supply and demand? From such reports the experts of the Department could easily determine the relation supply and demand sustain to each other, and from that relation, decide what the minimum prices for the year would justly and equitably be, and publish that with the other information given in the reports.

This work is almost indicated in what is now known as the "Division of Production and Distribution," and were it carried out, it would break the power of the price-making gamblers, teach the farmers when to sell and when to withhold, inspire them with renewed confidence, and bring them the independence that has long been claimed for them, but that they have never had.

It would do more. The distribution feature added to the monthly reports would indicate to local buyers and shippers where to most certainly meet a demand; and it would teach consumers what they should reasonably be required to pay, and save them from the merciless exactions of Greed.

But will the Department do it? We cannot vouch for that. We know it is feasible, and that it could be done with but slight addition to the force already engaged, and with no change in method; but all we can do is to call attention to it.

But what the Department has done in getting information concerning production, the organized farmers all over the country could do regarding supply, demand and marketing. Let us hope the Department will take it up, but with wise determination, let the farmers get ready to do it themselves. Franklin was wise when he said: "If you would have your business done, do it yourself." Organization can do it.

BOYS' AND GIRLS' AGRICULTURAL CLUBS

MAN is a social animal. The human family loves company. De Foe's unfortunate castaway, though all the world in reach of him was his, was not a happy man; he had no company. The issolation of farmers' families has been urged against that calling as a business.

But modern life and invention, so given to overcoming difficulties, is overcoming that one also. The boys and girls of the country are organizing agricultural clubs, which are bringing them together for the noblest and most exalted purposes—the promotion of their calling and the bettering of their condition. This does not interfere with the social side of the meeting; it rather gives that feature a distinctive basis and adds to its usefulness.

These clubs interest themselves in prize contests, all pertaining in some way to country life. Corn growing contests are probably the most common among the boys, although many other crops have been tried. The girls compete in bread making and other culinary arts, as well as in sewing and household duties. Boys and girls sometimes unite in contests that pertain to garden products or poultry and pets. The field is almost limitless.

We have information from the Department of Agriculture to the effect that there are now 395 counties in 28 states in which these clubs are organized, and that there are no less than 144,000 members. New York has about 75,000 members; Nebraska 25,000, and other states smaller numbers. One county in Pennsylvania has 2,000 members.

It occurs to us that if Local Unions of the F. S. E. would take up the methods of these clubs, and inject practical business into them; enlist not only the men and the women, but the boys and girls also; provide for appropriate contests, and give such prizes as will enlist the entire membership, and not only that, but that will induce every neighbor to come into the organization, an interest would be awakened that could not but result in great good. And it would be so educational in its effects as to appeal to all classes. Annual contests would apply to the growing of crops, but there could be monthly or quarterly contests that would keep prizes constantly in sight, and the interest and expectancy always on tiptoe. Prizes can easily be made up in any neighborhood—a book, a pair of gloves, a hat, some specially made piece of wearing apparel; a hundred things that would attract and be highly valued, and yet that would not be costly. UP-TO-DATE will gladly aid in these contests whenever notified that a Local Union has adopted this plan.

FARMERS TO CONTROL PRICES

IT is reported from Washington that a Mississippi planter has declared that the farmers will control the prices of their products; that "they are now making provision for holding their crops for higher prices." That is entirely legitimate. Farmers should be in a position that they need not sell except when it is profitable for them to sell. But whether they should "hold for higher prices" depends upon the prices offered. This proposition is greatly misunderstood. Farmers have no more right to ask exorbitant prices than have those of any other productive industry. When prices are too low the markets are over supplied, and the products should be held for the markets to recuperate and reach equitably prices. When the prices are equitable it is only necessary to so hold as to prevent gluts and maintain the equitable prices. It is often incorrect to say the farmers are to hold for higher prices. That is true only when prices are below the equitable level.

A LITTLE CHILD SHALL LEAD THEM

President of F. S. E.

My little daughter, 13 years old, subscribed for UP-TO-DATE FARMING some two months ago and since then I have been an interested reader of it. Your paper seems to be a complete education on the successful plan to secure profitable prices for farm products. Please send me by-laws, etc., of the Farmers Society of Equity and instructions how to organize a local union.

A. R. TROUTMAN, Millerstown, Pa.

Farm Control of Farm Marketing

"The Day Is Breaking"

(See First Page Illustration.)

WE believe the day is breaking. The streaks of dawn are already visible above the horizon. Since we have been teaching controlled marketing the principle has taken deep hold upon the people, and important local efforts to control the marketing of various crops have been made in many localities among wide awake producers. Sometimes it has been potatoes; sometimes tobacco; sometimes fruit, milk, vegetables; and spasmodically, feebly it may be considering the importance of the products, the effort has extended to wheat and cotton. But these attempts have all been handicapped by their local nature. They have done good; have been successful in a way, more successful than there was reason to expect, because all the products sought to be controlled are country-wide in their production, and to be really successful in the effort to control them must be as wide as the field of production.

Consider one more step. Suppose a single national effort, applied not to one product only, but to all products, not in the form of a trust or combination in restraint of trade, but as a controlling and directing force, each crop effectually checking greed wherever it might manifest itself in any other crop, thus standing inflexibly for neither high nor low prices, but for such marketing as will secure equitable prices strictly on the general level of values. What could be more certain than that such a movement would solve the marketing problem, and guarantee steady supplies to consumers and steady prices to farmers?

And the approaching daylight shows in the fact that this plan, so far as it is understood, is meeting with favor in the schools and colleges, at the experiment stations, and among those who are largely directing the progressive agricultural sentiment of the day. Were we to publish letters of approval we have received from those in authority in such establishments, and even in high official stations bearing on agriculture, our readers would be both gratified and surprised.

But the time is not yet. People must do their own thinking, then they are so much better prepared to do their own acting. We want an honest sentiment. Large bodies move slowly. When the masses are ready these problems will all be solved; and they will be solved right. There is no power can thwart the farmers when united on a good and honest purpose.

We have devoted years to education along these lines; and we are proud of the fruits that have been gathered. The country has no greater class than its farmers. The tribe of "Rubes" has disappeared. Intelligence belongs to the farmer as well as to the merchant or the professional man, and he has just as good a right to know and control his business. The mission of UP-TO-DATE FARMING is to treat these things, and pave the way for the most glorious results.

Stock Raising And The Boycott

TO UP-TO-DATE FARMING:

I am writing to send you a manifesto from the farmers of Smith county, Kansas, relative to the recent meat boycott. The consumer has perhaps paid too high a price for his meat this winter, and he has sought a remedy, but he has unintentionally struck his best friend, and let the guilty ones go free. The packers have profited by the boycott while the feeders have suffered a heavy loss. I sent a car of well finished steers to market yesterday (Feb. 8) that were fattened on 60c corn and $8 alfalfa hay. Since they started to market the price has declined 20 cents on the hundred pounds, which makes quite a difference in the value of a car load of heavy steers. This decline is entirely unwarranted, and means that the marketing system now in vogue needs a thorough reorganizing.

I do not see why the farmers do not unanimously accept a sensible plan of price-making and marketing. They acknowledge the efficacy of the Equity plan, and it seems to me that the time is near when it must be successfully put in operation.

C. W. PECKHAM.

Below we give some extracts from the protesting declaration made at a large meeting of Smith county farmers and stockmen:

We the stockmen and feeders of Smith county, Kansas, assemble and declare:

That there is but a living profit in the present business of feeding cattle and hogs at their present prices. Most of the feeders of stock in this county are purchasers of corn and hay, and therefore feeding must be considered from the standard of the present prices. With the prices of corn at 60 to 70 cents per bushel and hay at $5 to $7 per ton, which are the prevailing prices here, we cannot add to the original (dressed) carcass of a beef, for less than, at least, $12 per hundred and that exclusive of the work in caring for such stock. It has long been a principle of feeders of hogs that, it must be an extremely thrifty bunch of hogs and favorable weather to add 10 pounds of flesh to the original carcass of a hog for every bushel of corn consumed. Taking into consideration the keeping of the producing stock, such as the males and females which must be considered in the production of the young, which falls far below, it is a fully demonstrated fact that not more than eight pounds of flesh can be produced on hogs per bushel of corn, and where this rate has been extended by colleges and experimental stations they have had the best of pastures and have given greater care than the ordinary feeder and stockman can give.

We therefore resolve that we will curtail the production of both beef and pork all that it is within our power so to do, until the present boycott has been fully settled. And that we will not place any more cattle in our feedlots until prices will warrant a small profit on the matured product as modified by the price of grain and hay.

Should that resolution be adopted and acted upon by the stockmen and feeders throughout the country, it is easy to understand the deplorable result that must follow. But these Smith county farmers declare further:

We fully realize that those most vitally interested in this subject are the producers and the consumers, and therefore join in the demand, with the consumer, for a thorough investigation of the present high price of meat, by a national committee, under the supervision of the secretaries of agriculture and commerce and labor. That justice amy prevail, this investigation should cover a period of five or more years, the transportation of stock to the market and the products to the consumer, the packing houses and prices fixed by them, the retail dealer and his means of competition in prices.

And we further ask that a law be passed preventing packing house companies from discriminating in favor of or against different points in the United States, in prices charged for their products, whereby an honest competition in retail prices may be had. Meat should be sold by the packers at the same price at any point in the United States plus the freight added at the same price. This would prevent the packers from destroying the competition of local butchers. Thousands of local retailers have been forced out of business in the last few years by the packers by an unfair discrimination in prices until they have obtained full control of the market of a certain point and then the consumers at that point are forced to make up the prices being sacrificed at other competing points.

The resolutions further declare that those aggrieved at the high price of meat should first seek the parties responsible. If there is an excess of cost for the transportation of the cattle and hogs and their products to the consumer, or unfair profits taken by the packing houses or retailers, those things should be adjusted, but, the resolutions declare, under their present form the effect must fall either on the consumer or upon the producer, as "the feeder and stockman, is entirely at the mercy of the packing house companies, while the consumers are at the mercy of the retailers."

"We must have profits on our production," say the farmers, "or we must curtail our productions to our own needs for consumption." Then comes the following resolution:

In UP-TO-DATE FARMING for February 15, we treated this subject at considerable length, expressing views which we believe to be correct, and that we believe cover the whole situation. If conditions are unjust to the farmers, and they undoubtedly are, then the farmers themselves must find and apply the remedy. A change of price when there can be no change in supply or demand, means nothing less than arbitrary price-making, not for the benefit of either producer or consumer, but for the benefit of somebody between these classes. And these sudden and unwarranted changes do not apply to live stock alone. Every commercial farm product is subject to them, to the unjust loss and gain of somebody. It is not enough that farmers often receive fair prices, for they do; sometimes, through no fault of their own, excessive prices. That is only confirmation of the fact that prevailing marketing systems and price-making conditions are wrong. With Mr. Peckham, we "do not see why the farmers do not unanimously accept a sensible plan of price-making and marketing."

WHAT THE PACKING HOUSES EXPORT

WHILE so much is being said about the scarcity of beef cattle and the high price of meat, may it not be possible, if we kept at home what we produce the scarcity would not be so great? The packing houses exported last year 16,647,712 pounds of canned beef, worth $1,843,205. Of salted or pickled beef they exported 43,593,680 pounds, worth $3,266,086. Of other forms of prepared meats they exported 368,779 pounds, worth $4,2,861. But, as was to be expected, the big item sent out of the country was fresh beef, of which the packing houses exported 93,752,451 pounds, worth $9,592,176. Of mutton they exported 1,540,572 pounds, worth $162,929; and in the matter of pork the figures are enormous—bacon, 212,551,671 pounds, worth $23,318,162; hams, 195,765,704 pounds, worth $21,937,171; salted and pickled pork, 46,743,915 pounds, worth $4,494,038; fresh pork, 2,417,185 pounds, worth $238,553; lard, 458,261,434 pounds, worth $48,770,370.

It must be confessed that this is a good deal of meat to be sent out of a country that is clamoring for more meat, and whose people are resolving to quit eating meat because it is so scarce and so high in price. Yet not quite so much of these meats were exported last year as the year before. We levy a tariff on imported goods to protect our "infant industries." How would it do to levy a tariff on exported meats to protect our hungry people?

We may remark parenthetically, however, that if the number of beef cattle in this country was normal, and if prices were made according to the law of supply and demand, these exports would be beneficial to stock raisers, as they would widen our markets and increase the demand for our stuff.

But meats are not the only things the packing houses export, nor are they by any means the most astonishing. They exported last year 161,273,364 pounds of oleo oil, whatever that is, worth $17,437,772. Also, 3,104,541 pounds of oleomargarine, worth $312,287. And to this we must add 50,113,092 pounds of tallow, worth $2,856,390.

But the strangest items are yet to come. They exported bones, hoofs and horns to the value of $211,948; grease, grease scraps and soap stock worth $5,107,620; hair worth $108,524; hides and skins (not fur) 9,924,887 pounds, worth $1,047,030; lard compounds, 73,245,815 pounds, worth $6,146,922. They also exported more than 7,000,000 pounds of sausage and sausage meats, and more than four million dollars worth of sausage casings.

These exports are an asset of American stock raising, and would be a benefit to the farmers if they got their equitable share of the proceeds for the raw material. We cannot say they do that, because the packers make the price they will pay for the live stock, the raw material; and the packers become millionaires, the farmers do not.

Our plea is for Equity for the farmers. That granted, we cheerfully lend our support to whatever may bring in a new value, and to secure a sale for any product that may not now have a market. We do not care who may become millionaires, provided both buying and selling is based on equity to all the parties concerned. Are farmers active enough in helping us to make effective this plea?

CROPS ABROAD

REPORTS from Austria-Hungary indicate a reduction of previous estimates of the most important crops. The wheat reduction amounts to 7,000,000 bushels, and the corn crop is reduced 4,000,000 bushels. This indicates the smallest wheat crop in Hungary since 1897, and the total production of the combined countries is about 25,000,000 bushels below the average requirement for home consumption.

The estimate for barley and potatoes, however, is increased—barley 800,000 bushels, and potatoes 11,000,000 bushels. The oats and rye yield are also good.

American wheat growers may rely upon the shortage even in those countries to have a strengthening effect upon wheat prices, but the reverse must be noted in the case of potato growers.

PROSPERITY AND SAFETY

Dear Editor:

I have read UP-TO-DATE FARMING ever since it proposed to organize farmers to secure equity in their business. I have canvassed this community, and got about 150 subscribers. I have also organized local unions and I know that the road to success on the farm is the road of co-operation. I have also read two other farm papers, but fail to get anything out o feither that I can turn to profit like the teaching of UP-TO-DATE. I have no use for teachers who do not recommend some plan for the safety and prosperity of the farmer.

SAMUEL CRULL,
Tippecanoe, Ind.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



REPORTS from nearly all sections of the country, from trustworthy sources are favorable as they relate to the crop conditions. As is common at this season of the year there are many and presistent report of damage to winter wheat, but careful inquiry fails to reveal much that is real, and apparent damage may, with good weather, disappear. The snows of this winter have been more general than usually and many predict big 1910 crops because of this fact. But no crop is safe until it is gathered and no person can know in advance what the 1910 harvests will be. Considering that there have been several years of big crops—since 1901—may we not reasonably expect a short crop year to be due? We sincerely trust that it will not come as, with the greatly increased consumption it would be a greater calamity than previous short crops.

All the high price records were broken by live hogs since our last issue, having sold up to $9.60 per cwt. in the Indianapolis stock yards and reached $9.75 in Pittsburg. Potato prices are lower, with prospect of going still lower when good shipping weather arrives. Reports from Traverse City, Mich., say that they are selling at 20 cents a bushel. The Corn visible is getting too large to be comfortable, but with the busy season on the farms about due, when selling will be less, no apprehension need be felt. The liberal advance in the price of spring wheat at Minneapolis is an indication that the dumpers have had their day and the control farmers can supply the market in the future. The figures below tell the market story.

TO SELL OR TO HOLD

In the February 15th issue of this paper we asked for a report on all the leading crops and in February post cards were sent to many subscribers. The object was mainly to get such information as would permit of arriving at conclusions, whether to sell or hold crops on hand. The reports are not near all in at the time we are forced to close our forms, but they represent all parts of the country and we believe very accurately betray the whole situation.

The number of parties reporting on apples, beans, barley, broom corn, sheep, tobacco and wool, were very few. We assume that they do not present much of a problem to farmers. The reports on cotton show less on hand than a year ago with prices high. Gradual marketing is all that we need advise.

Seventy-two per cent. of those reporting on corn report increased holdings in their community over the same time in 1909; the average increased holding being 31 per cent. This should not be alarming but considering the high price for hogs it suggests liberal feeding, also the visible supply should be reduced by a slacking in marketing. Cattle and hogs do not present a problem except to produce more to meet the demand. Ninety per cent. of the reports on hay were decreased holding. Seventy-five per cent. of the reports on oats were decreased holding. Eighty per cent. of those reporting wheat showed increased holdings but the percentages were small, averaging only 12 1-2 per cent. Sell wheat when it brings $1.25 at Chicago. But as we expected the greatest problem is presented in potatoes. Ninety per cent. of the returns reported increased holdings in the community, the average increase over 1909 being 46 per cent. Our advice on potatoes is the same as before, sell gradually. We also advise feeding potatoes to stock. Boiled potatoes with a little grain are excellent for hogs and those people who are fortunate enough to have potatoes, and hogs to feed them to, are to be congratulated. And if you have potatoes and no hogs buy the latter if you can. You cannot well pay too high for lean hogs to feed cheap potatoes to.

Since there is a surplus of potatoes and prices are low in the producing sections, while hogs and all feed are high in other sections we strongly recommend feeders to help their brother farmers cut by buying car loads of potatoes to feed. But be sure to boil them, leaving the skin on. If a little chop feed is mixed with the boiled potatoes they make a fattening feed hard to beat.

VISIBLE SUPPLY

The visible supply of wheat in the United States, by Bradstreets' reports, on February 12, 1910 was, 33,827,000 bushels. That was 1,450,000 bushels less than two weeks before, 17,680,000 bushels less than a year before and 12,802,000 bushels less than two years before.

The visible supply of corn on the same date was 18,590,000 bushels. That was 2,766,000 bushels more than two weeks before. 6,424,000 bushels more than a year before and 2,477,000 bushels more than two years before.

The visible supply of oats on the same date was 13,738,000 bushels 694,000 bushels more than two weeks before, 813,000 bushels less than a year before and 631,000 bushels less than two years before.

The visible supply of barley on the same date was 4,312,000 bushels. That was 251,000 bushels more than two weeks before, 1,784,000 bushels less than a year before and 1,852,000 bushels less than two years before.

The aggrgate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	Feb. 11 1910	Feb. 4 1910	Feb. 12. 1909
American	3,421,368	3,524,751	4,482,484
Other kinds ..	1,272,000	1,269,000	1,125,000
Total	4,693,368	4,793,731	5,607,484

Price of cotton, New York, Feb. 19: Middling Upland, 14.50c; Middling gulf, 14.75c. The price of cotton is seven-tenths of a cent per pound lower than two weeks ago.

PRICES OF CASH GRAIN

The closing prices of cash grain, in the principal markets on February 19th; with comparisons were as follows:

CHICAGO—Wheat, No. 2 red, $1.24@1.26; two weeks before, $1.22@1.23. Corn, No. 2, 64@66c; two weeks before, 63@65½c. Oats, No. 2, 47¾@49c; two weeks before, 46½@47¾c.

ST. LOUIS—Wheat, No. 2 red, $1.23@1.25½; two weeks before, $1.26@1.27. Corn, No. 2, 63½@66c; two weeks before, 66c. Oats, No. 2, 47@49c; two weeks before, 45½@46c.

KANSAS CITY—Wheat No. 2 red, no quotation; two weeks before, $1.23@1.30. Corn, No. 2, 61¾@63c; two weeks before, 62@63½c. Oats, No. 2, 46@48c; two weeks before, 47@49c.

CINCINNATI—Wheat, No. 2 red, $1.26@1.28; two weeks before, $1.25@1.27. Corn, No. 3, 65@67c; two weeks before 65@65½c. Oats, No. 2, 50@50½c; two weeks before, 48½@49c.

NEW YORK—Wheat, No. 2 red, $1.30; two weeks before, $1.28@1.29. Corn, No. 2, 71c; two weeks before, 71¾@72½c. Oats, No. 2, 52½@55c; two weeks before, 52½@55c.

MINNEAOLIS—Wheat, No. 1 hard spring $1.15@1.16; two weeks before, $1.11@1.12½. No. 1 Northern spring, $1.14½@1.15½; two weeks before, $1.11@1.12.

FUTURE PRICES OF GRAIN

Chicago futures closed February 19, as follows:

WHEAT—May, $1.14½; July, $1.04¾; Sept., $1.00¼; about 4c higher than two weeks ago.

CORN—May, 66¾c; July 67⅝c; Sept., 67⅝c. This is 1 to 2 c above two weeks before.

OATS—May, 47¼c; July, 44⅛c; Sept., 41¼c. This is 1 to 1¼c higher than two weeks before.

CHICAGO PRODUCE MARKET, Feb. 18.

POTATOES—On account of cold weather the market was very quiet. It was too cold to do any unloading, and only a few buyers appeared. Only a few cars were in which was on account of heavy snow storms in Michigan and Wisconsin.

Arrivals by cars, with comparisons, follow:

	This week	Last week	Last year
Monday	98	168	62
Tuesday	81	98	46
Wednesday	23	23	73
Thursday	14	46	62
Friday	33	51	90
Total, 5 days ..	249	386	333

Prices—Minnesota, Wisconsin or Michigan, good to choice white, 37@39c; fair to good, 33@36c; common, 30@32c. The price was about 1c per bushel lower than two weeks before.

HAY—Timothy hay in light supply and firm. Demand is good. Prairie hay, offerings liberal with demand only fair; price steady.

PRICE—Choice timothy, $18.50@19.00; No. 2 timothy, $16.00@16.50. The price is the same as two weeks before.

BEANS—Values about the same. Trading is fair. Pea beans are being offered freely by the country and dealers keep well stocked up. Red Kidneys and Borwn Swedish are in light supply.

Price—Choice hand picked Pea beans $2.22; prime, $2.17. Mediums, the same. Red Kidney, poor to choice, $2.80@3.10. The price of Pea beans 1c a bushel lower, and Red Kidneys about the same as two weeks before.

APPLES—No material change in the market for barrel stock. The best grades are held firm. Trading fairly active, more or less common storage stock still remains. Stocks are steadily being reduced and receipts are light.

Prices per barrel—

	No. 1	Fancy
Ben Davis	$2.25@2.50	$3.50@3.75
Jonathan	3.50@4.00	4.50@5.00
Kings	2.75@3.00	3.50@4.00
Spies	2.75@3.00	3.25@3.50
Baldwins	3.00@3.25	3.75@4.00
Greenings	3.00@3.50	3.75@4.00

The steadiness of the market was probably never equaled before. There has been no variation worthy of note since winter began.

EGGS—The demand is good. Consumption has increased. Offerings are taken freely. Receipts fairly liberal, but not more than can be cared for easily. A firm feeling exists.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week Cases.	Last week Cases.	Last year. Cases.
Monday	7,056	5,502	2,284
Tuesday	7,132	5,074	6,573
Wednesday	6,194	6,353	11,851
Thursday	5,132	4,737	5,710
Friday	3,726	4,641	6,054
Total	29,240	26,307	32,472

PRICES—The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases included, 21½@23½c.
Ordinary firsts, 23½c.
Prime firsts, 25½c.
Refrigerator, 19@20c.

MISCELLANEOUS NEWS

"The Council of North American Grain Exchanges" was organized at Chicago on February 8, by representatives of most of the grain exchanges of the United States and Canada. The object of the organization is "to extend the efficiency and usefulness of exchanges trading in agricultural products; promote uniformity in custom and usages; facilitate the adjustment of business controversies; encourage wise and helpful legislation; enlighten the general public as to the important service rendered by exchanges in handling agricultural products. * * * and to generally advance the welfare of the grain trade and its allied interests and those engaged in handling grain and the marketing and handling of agricultural products."

It is reported that the stock holders of the Pullman parlor car corporation will soon meet and vote themselves a free stock issue of $20,000,000. This means that the profits are so large that the stock can be watered to this extent and still pay satisfactory dividends. It is a convenient way of keeping down the *per cent* of earnings and also for stock holders to get something for nothing.

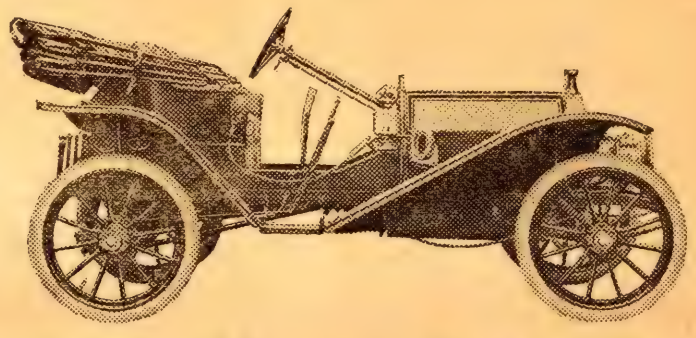
A report from Washington, D. C., says: "John Hays Hammond and Daniel J. Sulley with several other men prominent in the cotton business of the south are planning to organize a cotton securities corporation with a capital of $10,000,000.

A dispatch from New York is as follows:

The Fruit and Produce News is authority for the statement that Armour & Co., Chicago packers, have recently bought 5,000,000 pounds of poultry which was already stored in Chicago cold storage houses.

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So this trip — successfully completed through the deepest snows and the severest cold of the winter—was merely an object lesson.

It demonstrated the Hupmobile's wonderful stanchness; its ample power; its ability to travel even where there is no road; for the cars broke their own trail over practically every mile of the run.

No car of Hupmobile type and size has ever been submitted to a task the like of this.

Yet upon arrival in New York the cars showed no sign in their running of the actual abuse they had received for 10 days.

Each motor ran sweetly, smoothly and silently.

Indeed, the cars were ready for an immediate start on the return run to Detroit.

This trip proves once more that the Hupmobile is not a city car. It is fit and stanch and strong—a car that knows practically no limit of travel.

Write at once for the Hupmobile literature and the complete story of the Detroit-New York run, printed in handsome booklet form.

CLIP the coupon and send it now.

We will put you in touch with the car, so that you can ride in it and satisfy yourself as to the literal truth of every statement we have made.

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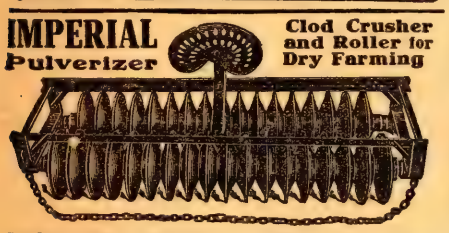
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Tents	$1.40 up	Revolvers	$1.65 up
Leggins, Pair	.15 "	Cadet Guns	1.20 "
Bridles	.90 "	Navy R'p't'g. Rifles	5.40 "
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Vlces	2.65 "	New Uniforms	1.25 "

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UP-TO-DATE FARMING

Production and Marketing

A Song of Plow Time

Sing a song of plow time;
Whistle to the team;
Winter winds are dying,
Winter sports a dream.
See, the grass is springing,
Patter comes the rain;
Birds begin their singing;
Flowers will bloom again

Gather up the harness,
Brighten up the plow;
The soil awaits the turning,
And all is ready now,
See how dark and mellow;
The freezing made it so;
And now we get it ready
For the crop to grow.

Cheerful team and plowman;
Hope in heart and eye;
Summer with its fruitage
Seems so very nigh.
Let the seed be planted;
Sun and rain will come;
And days so bright and gladsome,
Will bring the harvest home.

—JOHN P. STELLE.

THE OAT CROP

IN a large portion of the oat-growing section of the United States, oats is the first crop that claims the attention of the farmers. And in addition to being a valuable crop for home consumption, oats for some years has attained no little commercial importance. The price is much higher now than it used to be.

The usual method of planting oats must be regarded as next thing to a reckless one. It is often sowed broadcast among corn stalks and then roughly harrowed in. Strange to say, fair crops have been produced that way. But it is wasteful of seed and reckless of results.

Oats requires a good, firm seed bed. If plowed in the fall, it may be worked down very early, with disk and harrow and drag, if necessary. Corn stubble is very suitable to the production of oats, but it should be worked down. The stalks should be removed in some way before beginning to work the ground. Then the disk and the harrow may very well be made to do the rest.

It is much better to drill the oats than to sow broadcast. In that way the seed is uniformly covered, and it is all saved. Many roll after seeding. We do not recommend it. There are conditions of soil and seeding that make rolling harmful. For instance, soils that are inclined to run together and crust, will certainly do that if a rainfall follow the rolling. If any treatment is desirable after seeding, and it certainly is if seeded broadcast, a light harrowing is the thing to do.

Plant none but good seed. Farmers are more careless of seed oats than of any other seed, and frequently yields are reduced thereby. In this as in other plants, it takes strong vitality in the seed to make vigorous, healthy plants, and heavy yields. The difference in cost of good and bad or inferior seed is never to be considered in any crop.

We have been very successful in seeding clover with oats. No matter how the oats is seeded, we sow the clover about the same time and give the ground a light harrowing.

At prevailing prices oats is a profitable crop. A good short rotation is corn and oats and clover.

CARE FOR THE MEADOWS

COMPLAINT is general about the shortness of the productive life of meadows; and the complaint is not without foundation. In rich fields weeds will grow, and various causes result in the weakening or death of meadow grasses. Weeds crowd out the weak grasses and take the places of those that die. Hence the meadows soon become over-run with weeds, and are no longer profitable for the production of hay.

In this condition the meadows are usually converted into pastures. Though profitable for a time, we do not regard that as a very good plan. The stock eat down the remaining grasses, and give the weeds a better chance, with the result that the meadow soon becomes a weed field, and several years of cultivation may be required to make it otherwise.

Was the meadow properly cared for in the beginning? Could not the weeds have been taken out at their first appearance, and the weakening places of the grass strengthened? The trouble with many farmers is that they think such things too small and too great a tax on their patience. Did you never hear of "milking oats?" In many portions of the oats growing sections of Illinois, the milk weed is very bad. As these weeds appear in the growing oats hands are sent over the fields to pull them out by hand. This they facetiously call "milking the oats." It is a tedious process, but it frees the oats from weeds, and insures a good, clean crop.

It would be no more tedious to go over the meadows early in the spring and pull out the weeds. If done the first spring the weeds began to appear it would not be so bad, and then if kept up it would never be so bad. It is the neglect year after year that makes the lives of the meadow so short. A small sack like a hunter's bag about the shoulders with seed in it to be sown in the places becoming bare, with a rake to rake in the seed, would complete the equipment, and have a life-giving effect upon the meadows.

"Too much hand work." Yes, we expected that. But as the acres allotted to the individual must decrease in numbers as humans increase, there must be more hand work than the farmer accustomed to all sorts of machinery likes to do. Of course, after the meadow has been hopelessly lost the hand work is impracticable. It must then be broken, and cultivated to kill out the weeds, and reseeded before it again becomes a meadow.

Some disk old meadows and reseed them, hoping to save what grass is still alive, but weeds will survive where grass will not, and the weeds are very likely to perpetuate themselves. Apply the remedy at the first symptom.

THE CORN PLANTER QUESTION

The seeding conditions in the corn-growing states are not all alike. Some sections require the use of artificial fertilizers—other sections do not. Some soil requires a runner or shoe furrow opener; other land seems to demand a single or double disk for that purpose. Some growers "check" the corn in hills and other men plant the corn in drills. This has forced upon the manufacturers of corn planters the making of many different styles. The Hoosier Corn Planter line is admittedly one of the most complete in the world. Many of the most prominent corn growers go still further and openly declare the Hoosier Planter to be the most accurate and up-to-date planter on the market. There must be a great deal of truth in it, because the demand is constantly increasing and the words of commendation received show that the Hoosier is everything claimed by the manufacturers. At any rate, The American Seeding-Machine Co., Incorporated, Richmond, Indiana, fully guarantees every Hoosier Corn Planter to do all that they claim for it. They simply must do the work right. Send to the makers for a copy of their Hoosier Corn Planter catalogue. Read it carefully, and then go to your implement dealer and insist on seeing the Hoosier.

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ROTATION NOT ENOUGH

LAND must be made productive and kept so. The schools and the agricultural world agrees on that. The pioneer days and practices, when one field became unproductive it was "thrown out," and a new one was taken in, are gone and the practices no longer apply. The land now producing crops must continue to do so. There is no other land to take its place. It is, therefore, up to the farmers to keep their fields fertile.

Artificial fertilizers are a stimulant. They actually contain plant food, and in a form that the plants may make use of it, but it is like feeding a hungry horse. When the feed is consumed another feed time finds him hungry again. And the effect on the soil is not unlike the effect of stimulants on the animal system. It depresses when all is over.

Rotation of crops is one of the strongest cards played by the farmer who would keep his lands fertile. It is based on the idea that all plants do not consume or draw from the soil the same elments, and that some crops actually deposit what other crops take. This is true of the legumes with their nitrogen gathering bacteria.

The rotation, then, of corn, followed by wheat and clover, then perhaps by wheat and clover again, to be succeeded by a return to corn, shows good results. But it cannot keep up the soil permanently. The weakness the corn left after the first year the corn found when again planted in the same soil. The change to wheat and clover had rested it, while the clover had brought it into better tilth, and had given it some nitrogen and some humus, all of which gave the new crop a vigor and color that was a benefit to it, but after all, so far as corn plant food is concerned, it had to begin where the preceding crop left off. That has been proven by a number of long continued tests both in this country and in Europe.

Hence, we are driven to the conclusion that the perpetuation of the fertility of soils depends upon the law of compensation or restitution—what is taken from it must be restored.

How? That is a problem that has not yet been entirely solved. An abundance of barn yard manure, carefully distributed, plowed under, and thoroughly mixed with the soil, and that practice kept up so there can be no depletion, is perhaps the nearest a solution.

But there is not enough manure. Green manuring, we believe, ranks next in importance. A leguminous crop, clover or cow peas, for instance, turned under at the proper stage of its growth, and left to decay and become incorporated with the soil, supply the elements the maturing and gathered crops take, including humus; and if kept up in proper turn, may perpetuate the fertility. In every rotation a season of green manuring should be provided for.

And, lest we be misunderstood, we may say we do not discredit commercial fertilizers. They may tide the field over many a futile effort at production, and if used in connection with humus bearing manures, barnyard manure, green manuring, etc., good results may be hastened and intensified. Used alone they show results, but that is like feeding the horse that must be fed again next time.

HOW A BOY WON THE PRIZE

It had been a hard summer for the farmers, and with the county fair only six weeks off, William Sloane's chances for winning the great corn prize appeared decidedly small.

William sat on his porch and looked wistfully over the field that his father had given him for the purpose of raising corn to enter in the contest. He sighed, then looked up at the sky and sighed again. There was no sign of rain. The heavens were as cloudless as an immaculate mirror, and the stars twinkled down tauntingly in the boy's anxious face.

Mr. Sloane came out on the porch and slapped his son encouragingly on the back.

"What's the matter, boy?"

William glanced up dejectedly.

"That corn is just scorching to death," he explained; "and it doesn't look like this weather is ever going to stop."

His father laughed—a hearty laugh that sprang from a cheerful nature and a clear conscience.

"Do you know the trouble is with you, Willie," he asked at last, becoming suddenly serious, and sinking into a chair beside his son.

"What is the trouble, father?" The boy's chin was in his hands now, and he looked more downcast than ever.

"You don't know how to raise corn," Mr. Sloan said, patting him affectionately on the knee.

William shot an inquiring glance at his father.

Maybe I don't," he murmured," but I've done the best I could."

"No, you haven't," Mr. Sloane contradicted. 'Do you remember the rain that we had some time ago?"

William nodded.

"What did I tell you then?"

The boy hung his head in silence.

"What did I tell you?" his father repeated.

"You said I'd better store some for a time when I'd need it." "And you didn't do it, did you?"

William reluctantly admitted that he had not.

"You said there was no danger of a drouth, this year," reminded his father, and while I was taking advantage of the heavy rainfall by filling cisterns, you were lounging about the house."

William's head was drooping lower than ever.

"I guess I've lost my chance to win the hundred dollars," he mumbled," and I wanted it so much. I was going to take a course from that correspondence school, you know."

Mr. Sloane was thoughtful for a moment.

"You haven't lost it yet, Willie," he said kindly. "There's a farm paper in there on the table—the best that's published. Have you ever read it thoroughly?"

"That prize," Mr. Sloane said slowly, "is to be given for the finest ears of corn raised in the country by boys under seventeen. You started with as good an opportunity as any lad around here. You had excellent seed, fine soil and all the time you wanted to work on it. My boy," he added tenderly, "some wise man has said that knowledge is power. Your ignorance is handicapping you now. If you had read that paper you would know how to save that corn, how to make it flourish."

William looked up with a start.

"Do you know how, father?" he asked. "Won't' you tell me?"

"No, I won't tell you," Mr. Sloane said, "but I'll give you another chance. I'll let you use the water from one of the cisterns, if you promise to read that paper."

William accepted the proposition eagerly.

"This is your test," his father said. "It's easy enough to raise corn under favorable conditions, but when the weather's against you it requires both work and knowledge to make a success. You are being tested, my son."

From that day William began to work conscientously in his corn-field. With scrupulous care he used the water his father had given him and all his spare time was spent in reading copies of the farm paper. In a short time he had acquired a fair knowledge of corn culture—a knowledge that asserted itself in the steadily growing ears.

A week before the fair William went about among the other farm boys, and came home smiling.

"I have a pretty good chance, father," he said, "but the other fellows have some fine specimens."

The evening before the contest found William busy gathering his most promising ears. When he showed the ones he had chosen to his father, Mr. Sloane chuckled.

"They're whoppers," he said, "and no mistake."

Bright and early the next morning the boy was astir. After breakfast the boy harnessed his little mare to the buggy, and bidding his mother and father an affectionate farewell started for the fair, his precious ears of corn stored safely under the seat.

Mr. Sloane anxiously awaited his return. To him the day dragged slowly by and half a dozen times he went out on the porch and strained his eyes down the road, only to be reminded by his wife that the boy would not return until evening.

It was almost sundown when the eager father spied the buggy rolling up the lane. He ran down the path and resting his elbows on the gate, leaned breathlessly forward.

"What luck?" he called.

William's face was radiant.

"I won, father," he cried, "I won."

Mr. Sloane followed the boy to the barn, where William gave him an enthusiastic account of the contest.

"The judges said mine were the finest specimens they had seen for years," he explained jubilantly. "And, father, I've got the hundred dollars right here in my pocket.

Mr. Sloane watched his son unhitch the mare, the glad light in his eyes giving way to a look of sadness.

"I guess you'll take that course in advertising now," he said, "And some day you'll leave the farm to fill a position in the city."

He turned slowly away, his shoulders bent in a sudden stoop, and his firm lips trembling.

"Father!" William's voice was ringing in his ears, and he looked around to find his son coming towards him.

"Father," the boy cried, "I've decided not to take that course. I've been tested and I've come to the decision my place is here, and I'm going to stay and learn farming."

With the mist gathering in his eyes, and the old glad light playing over his face, Mr. Sloan pressed his son to his heart.—H. Graham Dubois in Successful Farming.

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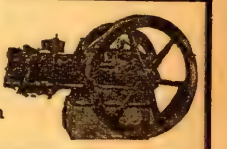


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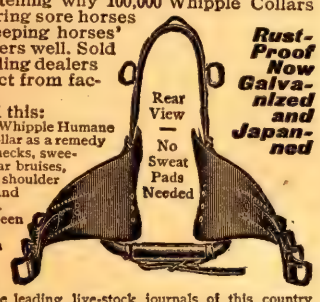
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Begin by drinking nearly a pint in the morning and the same at night and increase the quantity gradually so that in 10 or 15 days a full quart will be taken twice a day. It should be taken immediately after milking before it has had time to cool any. All should be taken that can be without too much discomfort and then rest 2 or 3 minutes and drink more and rest again, and so on until a full quart has been taken as soon as it can be conveniently. In about fifteen minutes the patient should eat at the table such articles of food as are known to agree with the stomach. At noon eat as usual.

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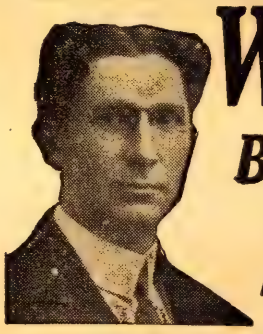


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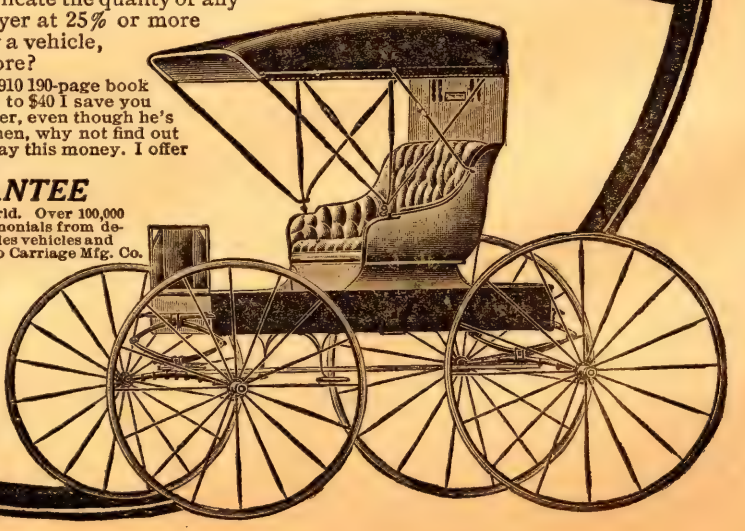
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LIVE STOCK IN THE UNITED STATE AND WHERE TO FIND IT

IN the Crop Reporter for February, the Department of Agriculture gives, by states, the number of live stock in the United States January 1, 1910, together with the average price on that day and the total value. Since the number of live stock, especially the dairy and meat producing kinds, figures so prominently in the discussion of the high cost of living, we give the figures as given by the Department:

HORSES

	No.	Aver. Price	Total Val.
Maine	119,000	$125.00	$ 14,875,000
New H. ..	59,000	106.00	6,254,000
Vt.	94,000	106.00	9,964,000
Mass.	84,000	128.00	10,752,000
R. I.	14,000	129.00	1,806,000
Conn.	62,000	126.00	7,812,000
New York	717,000	125.00	89,625,000
New J.....	103,000	134.00	13,802,000
Penn.	619,000	132.00	81,708,000
Del.	38,000	106.00	4,028,000
Maryland	160,000	108.00	17,280,000
Virginia ..	323,000	107.00	34,561,000
W. Vir. ..	197,000	112.00	22,064,000
N. Car. ...	192,000	121.00	23,232,000
S. Car. ...	87,000	127.00	11,049,000
Georgia ..	141,000	125.00	17,625,000
Florida ..	55,000	109.00	5,995,000
Ohio	977,000	129.00	126,033,000
Indiana ..	847,000	122.00	103,334,000
Illinois ...	1,655,000	124.00	205,220,000
Michigan .	746,000	126.00	93,996,000
Wisconsin	669,000	121.00	80,949,000
Minnesota	767,000	111.00	85,137,000
Iowa	1,447,000	120.00	173,640,000
Missouri ..	1,005,000	103.00	103,515,000
N. Dak. ..	712,000	114.00	81,168,000
S. Dak ...	612,000	105.00	64,260,000
Nebraska	1,045,000	108.00	112,860,000
Kansas ..	1,187,000	107.00	127,009,000
Kentucky	407,000	105.00	42,735,000
Tennesse .	324,000	112.00	36,288,000
Alabama .	171,000	95.00	16,245,000
Mississippi	265,000	85.00	22,525,000
Louisiana	233,000	79.00	18,407,000
Texas ...	1,369,000	73.00	99,937,000
Okla.	804,000	81.00	65,124,000
Arkansas	290,000	82.00	23,780,000
Montana .	319,000	80.00	25,520,000
Wyoming	148,000	83.00	12,284,000
Colorado .	280,000	85.00	23,800,000
N. Mex. ..	133,000	47.00	6,251,000
Arizona ..	115,000	62.00	7,130,000
Utah	130,000	85.00	11,050,000
Nevada ..	98,000	78.00	7,644,000
Idaho	163,000	102.00	16,626,000
Wash. ...	330,000	108.00	35,640,000
Oregon ...	308,000	103.00	31,724,000
Calif.	420,000	105.00	44,100,000
U. S.	21,040,000	108.19	2,276,363,000

A decrease is shown in only one state, Arkansas, which shows a falling off of one per cent. North Carolina, Tennessee, Mississippi and Louisiana have the same as a year ago. All the other states show an increase, Wyoming as much as ten per cent. Every state shows an increase in average price, the increase in the whole country being $12.55 per head.

MULES

	No.	Aver. price	Total Val.
New York ..	4,000	$132.00	$ 528,000
New Jersey .	5,000	155.00	775,000
Penn.	43,000	145.00	6,235,000
Dela.	6,000	125.00	750,000
Maryland ...	20,000	130.00	2,600,000
Virginia	54,000	130.00	7,020,000
W. Vir.	12,000	120.00	1,440,000
N. Car.	181,000	137.00	24,797,000
S. Car.	144,000	158.00	22,752,000
Georgia	248,000	157.00	38,936,000
Florida	21,000	155.00	3,255,000
Ohio	22,000	125.00	2,750,000
Indiana	94,000	126.00	11,844,000
Illinois	152,000	131.00	19,912,000
Michigan ...	4,000	122.00	488,000
Wisconsin ..	5,000	115.00	575,000
Minnesota ..	9,000	114.00	1,026,000
Iowa	47,000	123.00	5,781,000
Missouri	344,000	119.00	40,936,000
N. Dak	8,000	130.00	1,040,000
S. Dak.	10,000	121.00	1,210,000
Nebraska ...	72,000	119.00	8,568,000
Kansas	154,000	116.00	17,864,000
Kentucky ...	207,000	118.00	24,426,000
Tennessee ..	290,000	123.00	35,670,000
Alabama ...	253,000	122.00	30,866,000
Mississippi ..	290,000	113.00	32,770,000
Louisiana ...	178,000	116.00	20,648,000
Texas	702,000	99.00	69,498,000
Oklahoma ..	191,000	105.00	20,055,000
Arkansas ...	215,000	109.00	23,435,000
Montana	5,000	102.00	510,000
Wyoming ...	2,000	106.00	212,000
Colorado ...	12,000	105.00	1,260,000
New Mex. ..	8,000	79.00	632,000
Arizona	6,000	108.00	648,000
Utah	3,000	80.00	240,000
Nevada	4,000	79.00	316,000
Idaho	2,000	116.00	232,000
Washington .	5,000	121.00	605,000
Oregon	8,000	108.00	864,000
California ...	83,000	122.00	10,126,000
U. S.	4,123,000	$119.84	$494,095,000

Of the states given, Michigan and Arkansas lose one per cent each. New Jersey, Pennsylvania and California hold their own. All the other states gain, Wyoming making the wonderful gain of 75 per cent. In price Delaware and Colorado lose; all the other states gain. The gain in the price in the United States is $12 per head.

MILCH COWS

	No.	Aver. price	Total Val.
Maine	175,000	$33.00	$ 5,775,000
New. H. ...	122,000	36.00	4,416,000
Vermont	285,000	34.20	9,747,000
Mass.	192,000	42.00	8,064,000
R. I.	26,000	43.80	1,139,000
Connecticut .	137,000	41.00	5,617,000
New York ..	1,771,000	39.50	69,954,000
New Jersey .	190,000	47.50	9,025,000
Penn.	1,140,000	39.00	44,460,000
Delaware ...	38,000	38.00	1,444,000
Maryland ...	160,000	37.30	5,968,000
Virginia	297,000	29.70	8,821,000
W. Vir.	247,000	35.00	8,645,000
N. Car.	297,000	25.50	7,574,000
S. Car.	140,000	28.90	4,046,000
Georgia	314,000	25.50	7,850,000
Florida	95,000	32.50	3,088,000
Ohio	947,000	42.80	40,532,000
Indiana	687,000	41.00	28,167,000
Illinois	1,232,000	42.80	52,730,000
Michigan ...	936,000	39.50	36,972,000
Wisconsin ...	1,506,000	36.60	55,120,000
Minnesota ..	1,125,000	33.00	37,125,000
Iowa	1,570,000	36.00	56,520,000
Missouri	925,000	34.80	32,190,000
N. Dakota ..	217,000	33.90	8,373,000
S. Dakota ...	656,000	33.00	21,648,000
Nebraska ...	879,000	35.00	30,765,000
Kansas	737,000	36.90	27,195,000
Kentucky ...	394,000	32.70	12,884,000
Tennessee ...	321,000	27.50	8,828,000
Alabama ...	289,000	23.00	6,647,000
Mississippi ..	330,000	23.50	7,755,000
Louisiana ...	200,000	24.30	4,860,000
Texas	1,137,000	29.50	33,542,000
Oklahoma ...	355,000	31.50	11,182,000
Arkansas ...	361,000	22.00	7,942,000
Montana	80,000	46.50	3,720,000
Wyoming ...	27,000	43.70	1,180,000
Colorado	161,000	41.00	6,601,000
New Mex. ...	29,000	38.89	1,125,000
Arizona	25,000	43.00	1,075,000
Utah	88,000	34.00	2,992,000
Nevada	19,000	44.00	836,000
Idaho	81,000	41.40	3,353,000
Washington .	205,000	41.80	8,569,000
Oregon	174,000	39.60	6,890,000
California ...	452,000	38.40	17,357,000
U. S.	21,801,000	$35.79	$780,308,000

Throughout the whole country, the number of milch cows remains practically the same as a year ago, though some of the states lose a considerable percentage, Arkansas sustaining the greatest loss, six per cent. The greatest gain is 9 per cent. made by Wyoming.

OTHER CATTLE

	No.	Aver price	Total Val.
Maine	139,000	$16.90	$ 2,349,000
New Hamp. .	93,000	20.30	1,888,000
Vermont	210,000	14.40	3,024,000
Mass.	88,000	16.70	1,470,000
R. I.	10,000	17.50	175,000
Connecticut .	81,000	19.10	1,547,000
New York ...	889,000	18.20	16,180,000
New Jersey .	82,000	21.40	1,755,000
Penn.	917,000	19.20	17,606,000
Delaware ...	22,000	21.00	462,000
Maryland ...	138,000	21.10	2,912,000
Virginia	578,000	19.40	11,213,000
West Vir. ...	511,000	22.50	11,498,000
N. Car.	449,000	12.50	5,612,000
S. Car.	227,000	12.00	2,724,000
Georgia	673,000	10.30	6,932,000
Florida	712,000	10.30	7,334,000
Ohio	978,000	24.10	23,570,000
Indiana	1,020,000	24.50	24,990,000
Illinois	1,974,000	26.40	52,114,000
Michigan ...	963,000	18.50	17,816,000
Wisconsin ...	1,081,000	16.40	17,728,000
Minnesota ...	1,228,000	14.30	17,560,000
Iowa	3,611,000	22.20	80,164,000
Missouri	2,165,000	22.60	48,929,000
N. Dak.	616,000	20.50	12,628,000
S. Dak.	1,341,000	21.50	28,832,000
Nebraska ...	3,040,000	21.90	66,576,000
Kansas	3,260,000	23.70	77,262,000
Kentucky ...	665,000	19.90	13,234,000
Tennessee ...	565,000	13.80	7,797,000
Alabama	528,000	9.00	4,752,000
Mississippi ..	577,000	8.40	4,847,000
Louisiana ...	480,000	10.30	4,944,000
Texas	7,131,000	15.30	109,104,000
Oklahoma ...	1,637,000	19.20	31,430,000
Arkansas ...	600,000	9.00	5,400,000
Montana	842,000	27.40	23,071,000
Wyoming ...	959,000	26.40	25,318,000
Colorado	1,425,000	23.00	32,775,000
New Mex. ...	901,000	17.40	15,677,000
Arizona	626,000	19.30	12,082,000
Utah	327,000	18.30	5,984,000
Nevada	404,000	20.70	8,363,000
Idaho	340,000	21.40	7,276,000
Washington .	358,000	19.90	7,124,000
Oregon	698,000	18.50	12,913,000
California ...	1,120,000	20.10	22,512,000
U. S.	47,279,000	$19.41	$917,453,000

This list includes beef cattle, and the figures show a general loss in the country of less than five per cent. The heaviest loss in any state is only seven per cent., and that loss is in Kansas, Texas, Oklahoma and Montana. Indiana is short three per cent., and Illinois four. Florida gained three per cent., and Wyoming gained ten per cent. We have here no great cause for much increase in the price of beef. The increase in the price of cattle per head throughout the United States averaged only $1.92.

SHEEP

	No.	Aver price	Total Val.
Maine	254,000	$3.70	$ 940,000
New Hamp. ..	74,000	3.70	273,000
Vermont	229,000	4.00	916,000
Mass.	46,000	4.20	193,000
Rhode Island .	9,000	4.20	38,000
Connecticut ..	34,000	4.70	160,000
New York ...	1,177,000	5.00	5,885,000
New Jersey ..	44,000	5.20	229,000
Pennsylvania .	1,112,000	4.80	5,338,000
Delaware	12,000	4.60	55,000
Maryland	163,000	4.70	766,000
Virginia	522,000	3.90	2,036,000

Make Him Show Up

If any cream separator manufacturer tries to sell you a disk-filled or other common, complicated machine, tell him to wait a bit.

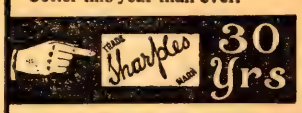
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Florida	98,000	2.00	196,000
Ohio	3,203,000	4.80	15,374,000
Indiana	1,227,000	5.20	6,380,000
Illinois	817,000	5.30	4,330,000
Michigan	2,151,000	4.70	10,110,000
Wisconsin	1,034,000	4.50	4,653,000
Minnesota	482,000	4.00	1,928,000
Iowa	754,000	5.30	3,996,000
Missouri	957,000	4.40	4,211,000
N. Dakota	621,000	4.00	2,484,000
S. Dakota	829,000	4.00	3,316,000
Nebraska	393,000	4.40	1,729,000
Kansas	278,000	4.70	1,307,000
Kentucky	1,060,000	4.00	4,240,000
Tennessee	347,000	3.40	1,180,000
Alabama	178,000	2.00	356,000
Mississippi	171,000	1.90	325,000
Louisiana	178,000	1.90	338,000
Texas	1,909,000	2.90	5,536,000
Oklahoma	108,000	3.30	356,000
Arkansas	233,000	2.30	536,000
Montana	5,747,000	4.20	24,137,000
Wyoming	7,316,000	4.40	32,190,000
Colorado	1,729,000	3.80	6,570,000
New Mexico	4,729,000	2.90	13,714,000
Arizona	1,020,000	3.70	3,774,000
Utah	3,177,000	4.10	13,026,000
Nevada	1,585,000	3.70	5,864,000
Idaho	4,248,000	4.70	19,966,000
Washington	783,000	3.90	3,054,000
Oregon	2,581,000	3.70	9,550,000
California	2,372,000	3.30	7,828,000
United States	57,216,000	$4.08	$233,664,000

These figures show no great increase in the number of sheep in the United States—only two per cent. The greatest increase is in Kansas—12 per cent. There is an increase in price throughout the entire country, with the single exception of New Mexico, where the average price fell from $3.00 to $2.90 per head. The lowest price quoted is in Mississippi and Louisiana—$1.90 per head. The price throughout the United States shows a gain of 65 cents per head.

SWINE

	No.	Aver price	Total Val.
Maine	62,000	$11.50	$ 713,000
New Hamp.	51,000	11.50	586,000
Vermont	95,000	10.00	950,000
Mass.	68,000	11.50	782,000
Rhode Island	13,000	12.50	162,000
Connecticut	47,000	12.50	588,000
New York	656,000	11.50	7,544,000
New Jersey	152,000	12.00	1,824,000
Penn.	931,000	9.50	8,844,000
Delaware	46,000	8.70	400,000
Maryland	273,000	8.90	2,430,000
Virginia	774,000	6.50	5,031,000
W. Virginia	338,000	7.70	2,603,000
N. Carolina	1,356,000	7.20	9,763,000
S. Carolina	699,000	7.20	5,033,000
Georgia	1,647,000	7.00	11,529,000
Florida	456,000	4.80	2,189,000
Ohio	2,047,000	10.70	21,903,000
Indiana	2,578,000	10.00	25,780,000
Illinois	3,772,000	10.90	41,115,000
Michigan	1,159,000	10.50	12,170,000
Wisconsin	1,651,000	11.80	19,482,000
Minnesota	1,003,000	11.50	11,534,000
Iowa	6,485,000	11.30	73,280,000
Missouri	2,714,000	7.90	21,441,000
N. Dakota	206,000	11.00	2,266,000
S. Dakota	805,000	11.10	8,936,000
Nebraska	3,201,000	11.00	35,211,000
Kansas	1,942,000	10.00	19,420,000
Kentucky	989,000	6.80	6,725,000
Tennessee	1,264,000	6.50	8,216,000
Alabama	1,176,000	6.00	7,056,000
Mississippi	1,290,000	5.50	7,095,000
Louisiana	744,000	5.50	4,092,000
Texas	3,205,000	6.60	21,153,000
Oklahoma	1,302,000	7.70	10,025,000
Arkansas	978,000	4.80	4,694,000
Montana	75,000	10.10	758,000
Wyoming	21,000	8.50	178,000
Colorado	248,000	9.50	2,356,000
New Mex.	32,000	8.50	272,000
Arizona	22,000	9.50	209,000
Utah	61,000	9.00	549,000
Nevada	15,000	9.00	135,000
Idaho	143,000	8.70	1,244,000
Washington	183,000	9.40	1,720,000
Oregon	267,000	8.20	2,189,000
California	540,000	8.20	4,428,000
U. S.	47,782,000	$ 9.14	$436,603,000

In swine we have the greatest falling off in numbers, and the greatest increase in price. The loss in numbers throughout the country is nearly 12 per cent., or approximately six million head. The reduction by states is not confined to sections, the corn belt states generally showing the heaviest percentage of loss. The increase in price is almost universal, one state alone, Nevada, showing a fall in price. The average price throughout the United States rose during the year from $6.65 per head to $9.14 per head. These figures confirm what we have so often said, that there is an open field for increased swine production.

HIS OWN ORDER

"I give my word," said the Judge sternly, "that the next person who interrupts the proceedings of this court will be expelled from the room and ordered home."

"Whoopee! Hooray! Go to thunder with your old proceedings!" shouted the prisoner, as he stamped his feet, before there was any possibility for any other interruption. The lawyers smiled, but the Judge had a far-away, puzzled look.

TO THE WOMAN—

who will have to keep the Cream Separator you buy CLEAN.



$14.85 and Upward. Thirty Days Free Trial. Six Sizes to Select From. Send for 1910 Catalog Free and Postpaid

ALL CREAM SEPARATORS are money makers and most of them are labor and time savers. Some save a little work and others save a good deal more, but the New Butterfly saves the most work, and for that reason you ought to get our **free 1910 catalog** before you buy a cream separator and read what hundreds of your sister women who have used both the New Butterfly and the other kind of separator have to say about the difference in time, work and trouble it takes to keep them clean.

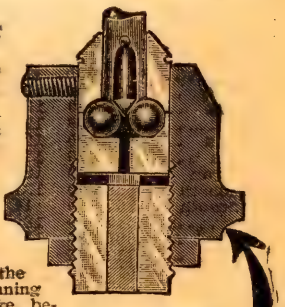
IN THE NEW BUTTERFLY SEPARATOR there are no pipe shaped tubes to wash out; no crevices and corners to clean; no sharp perforations like a nutmeg grater to collect slime and butter fat; no loose parts to slide onto a wire frame and to be put back in place twice a day. The supply can is only waist high, has smooth, round, easily cleaned corners, removable faucet, and drains perfectly to the last drop of milk. The milk and cream spouts are wide open and easily cleaned, instead of the closed pipe shaped tubes used on other separators. There is only one piece inside the bowl, and that is our patented Skimming Device, made of pure aluminum—the non-rusting, easily cleaned, sanitary metal. You don't have to scrub it as you do the tin or tinned steel skimming devices used in other separators, because milk slime and butter fat won't stick to **aluminum.** This New Butterfly skimming device is patented by us in every dairy country of the world and is the only really great cream separator improvement of this decade. The hinged aluminum blades swing wide apart like the leaves of a book, opening up every part for quick and easy cleaning. There are no arrows or notches to watch for in putting the bowl together. You can assemble it with your eyes shut or in the dark. The New Butterfly Separator also has the skim milk outlet at the bottom of the bowl, making it absolutely self draining.

FOR ONLY $14.85 we offer you our **New Butterfly Jr. No. 1**—the biggest cream separator value ever offered. This machine will skim a quart of milk a minute just as perfectly as any $100.00 cream separator on the market and will last as long. It turns easily, skims perfectly and cleans easily. Has a 7 1-2-inch crank, inclosed dustproof and accident proof gears and a 2 1-2-gallon milk supply tank.

WE MAKE FIVE LARGER SIZES of New Butterfly Separators. One of them will meet your requirements exactly. Write today and get our free catalog. **Address the makers.**

ALBAUGH-DOVER CO. [CAPITAL, $2,000,000.00] 2116 MARSHALL BLVD., CHICAGO, ILLINOIS

The Secret of the Empire's Ease of Turning



Lower Bearing

NO OTHER separator can turn easily, compared to an Empire, because no other manufacturer can use the one frictionless cream-separator bearing for the bowl spindle to rest on. That is an Empire patent.

In an Empire the bowl is supported by a single straight spindle, the point of which rests on the **curved surface of three balls.** (See illustration.) This arrangement not only prevents all friction at the spindle point, but avoids the necessity of any closed bearing around the spindle higher up—as all other separators must have.

This accounts for the Empire being known everywhere as the **easy separator.** A Frictionless Empire, for example, keeps running half an hour after you stop turning, unless you apply the brake, because the upper bearing is also ball-bearing—as frictionless as the bottom bearing. Other reasons: Light bowl, fewest bearings, simplest construction, best materials and workmanship. No chance of wear or getting out of adjustment—and no work; facts just as true regarding the Empire Disc.



Frictionless Empire

Empires Beat Them All For Ease of Cleaning, Too—and Long Service

Different Styles—All Sizes—Widest Choice

A boy or girl can not only turn an Empire without effort, but clean it, making it absolutely sanitary in a jiffy. That's a vital point. Even a speck of cream or impurity that lodges in a crack or crevice will taint the whole of your next skimming. Empires are, first of all, sanitary separators

Send for Dairymen's Guide to Dollars

The Empire Book for 1910 is full of money-making facts for every owner of cows—the fairest, most impartial separator book ever published.

EMPIRE CREAM SEPARATOR CO.

Dept. PP, 1225 Wabash Avenue, Chicago, Ill.

Factory, Bloomfield, N. J.



Empire Disc

The Thing That Interests Dairymen

is not which Company **has made the most failures** in its attempts to make successful Cream Separators, or which Company has abandoned or discarded the most inventions because (by its own admissions) of the inferiority of those inventions, but

Which Has the Best Cream Separator in 1910.

The United States Separator beat all of its competitors and won the **GRAND PRIZE** at the Alaska-Yukon-Pacific Exposition, June to October, 1909.

The United States Separator beat all competitors at the Pan-American Exposition in 1901, in fifty (50) consecutive runs, with **ten different** breeds of cows and won the WORLD'S RECORD and continues to **hold** the WORLD'S RECORD in 1910.

The best breeders and leading dairymen everywhere use the UNITED STATES SEPARATOR.

Beautiful Illustrated Catalogue No. 187 will give you all other necessary information.

VERMONT FARM MACHINE CO., BELLOWS FALLS, VT.

4

THE WORLD SUPPLY OF LIVE STOCK

SEIZING the time as opportune, while so much is being said about the increased cost of meat, and the generally higher price of live stock in this country ,the Department of Agriculture is giving unusual attention to the subject, and information is being published which has not been given heretofore. We gladly second the Department's efforts, and give our readers the following statement of the world's supply of live stock on the best authority and the latest figures attainable. Long before this agitation is over the people will know more about the live stock in the country, and in the world, than ever they did before:

Sheep seem to be the most numerous of the large animals of the world, with a total of about 580,000,000 head. Australia ranks first, with about 88,000,000; Argentina second, with 67,000,000; United States third, with about 57,000,000; European Russia and Asiatic Turkey each have approximately 45,000,000; Great Britain, with 27,000,000 in 1908, has more sheep in proportion to its area than any other important nation.

The number of cattle enumerated or estimated, about 430,000,000, although smaller than that of sheep, is much more important, owing to their large size. In total number of cattle, British India ranks first, with about 91,000,000 (including buffaloes and buffalo calves); the United States ranks second, with about 70,000,000; Russia third, with about 36,000,000; Argentina and Brazil each have about 30,000,000, Germany about 20,000, Austria-Hungary 18,000,000 (in 1900), France 14,000,000, and the United Kingdom 12,000,000. The proportion of the total number of cattle which is beef cattle, work cattle, or milch cows has not been estimated.

The United States is preeminent as a swine-producing nation, being credited with approximately 50,000,000 head out of a world supply of less than 150,000,000; Germany ranks second, with about 22,000,000; European Russia has about 11,000,000; France, 7,000,000; Austria had 5,000,000 in 1900, and Hungary 7,000,000 in 1895. No other country is credited with as many as 5,000,000.

Horses aggregate about 95,000,000; European Russia and the United States have almost an equal number, between 20,000,000 and 25,000,000 head; Argentina has about 8,000,000; Asiatic Russia is credited with about 7,000,000, Germany 4,000,000, France 3,000,000, the United Kingdom 2,000,000; Austria and Hungary each had about 2,000,000 in 1900 and 1895, respectively.

Of the 7,500,000 mules that are estimated in the world more than half are in the United States; no other country is credited with 1,000,000; Spain comes nearest, with about 810,000 in 1907.

The number of asses in the world is estimated to be between 8,000,000 and 9,000,000; Asiatic Turkey is credited with about 2,500,000; 1,300,000 were credited to British India in 1907; 850,000 to Italy in 1908; and 775,000 to Spain in 1907.

Nearly 100,000,000 goats are estimated in the various countries of the world; by far the largest number are in British India, nearly 30,000,000; Asiatic Turkey is credited with 9,000,000, the Cape of Good Hope with nearly 9,000,000, Algeria about 4,000,000, and Argentina 3,000,000 (in 1907).

About 15,000,000 buffaloes were reported in British India in 1907, over 2,500,000 in Dutch East Indies in 1905; minor countries bring the total number estimated to over 21,000,000.

The approximate number of camels in important countries, so far as estimates can be made, is: Asiatic Russia 700,000; British India 450,000; European Russia 225,000; Algeria 200,000; Tunis 150,000; Soudan (Anglo-Egyptian, number assessed for tribute and tax in 1905) 132,000; Egypt 40,000.

Of the 900,000 reindeer reported from various countries, 350,000 were in Russia, 230,000 were in Sweden, 140,000 in Finland (in 1906), and 110,000 in Norway (1900).

SUCCESS WITH SPREADER

It is most interesting to read the letters we recently received, on the question of manure spreaders. We desired to learn the opinions of our subscribers on several points connected with the use of these machines, and among the questions, we asked whether they considered that a spreader would pay for itself and its operating expenses, and also asked advice as to which machine to buy.

Here are a few of the replies:

From Olaf Anderson, Devil's Lake, N. D.

This country is not far enough advanced to determine the real value of manure fertilization, but in applying manure, a spreader will pay for its cost and upkeep many times over.

I would advise you to buy a Galloway Manure Spreader. I use one myself and would not buy any other kind if I had to buy a dozen spreaders.

From A. E. Johns, Arden, Neb.

This is most too soon to give the results from my experience with a spreader, altho I believe it to be a paying machine.

I bought a Galloway spreader last spring, I think it just as good as any I have seen, and the price is considerably lower.

From Haywood Blevins, Baywood, Va.

I have a Galloway Spreader. It is all right; light draft, and does the work to perfection. I don't use Commercial fertilizer, but from what I see where it is used, manure put on with a spreader pays the best.

If I were going to buy another I would buy the Galloway, I have not a tool on my farm that I think pays better than my Galloway Spreader.

From Jacob L. Hafer, Dalton, S. D.

I will say that a manure spreader will pay for itself in a few years if manure is on hand to spread.

I use a Galloway, and it gives every satisfaction. If I had to buy another, I would not buy any other make.

From Wm. Gebert, Princeton, Minn.

The manure spreaders are all right. One man can haul and spread more manure with a spreader than two can by hand, besides spreading it more evenly, and making the manure cover more ground.

I have the Galloway Wagon Box Spreader. It does fine work. The draft is light. Two horses can handle it nicely. It fits my wagon fine, and is a complete success in every way.

After reading these letters from farmers, who have had actual "shirt-sleeve" experience with the spreaders, some of them having used their machines for years, we hardly see why any farmer with any reasonable amount of live stock hesitates an instant to buy one of these most necessaryy machines. The excuse of some is that a spreader costs all the way from $50.00 to $125.00, and that they haven't the cash to spare. That is really no excuse, for now any manufacturer of a reliable machine will sell it on time, and the purchaser will find that in many cases the spreaders do actually pay for themselves inside of 12 months.

HOW TO GET IT OFF

An Irish tramp asked an artist for a dime to buy a sandwich. Handing him a dime, the artist noticed that the tramp would be a fine subject for a picture.

"I will give you a dollar to let me paint you," said the artist.

"Faith, an' I'd do that," said the tramp, "but how the St. Patrick will I get it off?"

The days of the old style post hole digger are numbered, their place being rapidly taken by earth augers. Instead of the old way of digging a post hole, the continual lifting of a 40-pound weight and setting down with one's full force into the earth, wearing one's hands, and tiring their back, we can now use an auger that you simply turn round and round, like boring in a piece of wood. Anyone who has ever used or seen used a Standard Earth Auger never thinks of again using the old digger. If you haven't one, write the Standard Earth Auger Co., 1128 Newport Ave., Chicago, and ask for Catalog "N."

SPRAY FIRST—THEN PAY

There is no need nowadays for the farmer to send his money along when he orders a sprayer or pay for the machine before he has tested it, as the H. L. Hurst Mfg. Co., 4920 North St., Canton, Ohio, have been selling sprayers to farmers all over the United States without asking a cent in advance and giving the purchaser an opportunity of testing the machine in his own field or orchard before paying for it. The readers of this paper should write at once to the above company and get their free catalog and spraying guide and also their special offer for the first one in each locality.



STOP! HEN THIEF

Every Poultry House and Farm Building should be rendered absolutely secure by use of the

"KATZ" KEYLESS PADLOCK

Full Size 2¼ Inches
Made of Solid Cast Bronze

The most practical, convenient and secure Padlock ever made for Farm Buildings, no Key to carry, forget or lose, opened in the dark as easy as in the light. Opened as easy as a key lock, yet it cannot be picked, and it will not get out of order. You cannot afford to neglect having these wonderful locks on your buildings as you owe it to the proper protection of your property. Send us $1.50 by mail and we will forward a Padlock, all charges prepaid, and if you don't pronounce it the best and safest Padlock ever offered, return it and we will refund the money.

NATIONAL MFG. & LOCK CO.
215 W. HURON ST. CHICAGO, ILL.

Other Cream Separators
Merely Discarded or Abandoned
De Laval Inventions

It is interesting and instructive to know that nearly, if not quite, every cream separator that has ever been made, and certainly all that are being made at this time, are merely copies or imitations of some type of construction originally invented or developed by the DeLaval Company, and either not used by it because of something more practical or else discarded and abandoned in the course of De Laval progress and utilization of later improvements.

As earlier patents have expired some of their features have one after another been taken up by different imitators, so that at all times, as is the case today, every separator made in the United States or elsewhere in the world, utilizes some type of construction originally owned and developed by the De Laval Company, though some of them have never been commercially used by the De Laval Company because of their inferiority to other types of construction used by it.

The De Laval Company has always been forging ahead, with its many years of experience and the best of experts and mechanics the whole world affords in its employ, so that before any expiring patent might permit the use of any feature of construction by imitators the De Laval Company had already gone so much beyond that type of construction that it was then old and out-of-date in the modern De Laval machines.

All cream separator inventions by others have been of immaterial details or variations, upon which patents have been taken, if at all, more for the sake of the name than by reason of any real value or usefulness attaching to them.

The first practical continuous flow centrifugal Cream Separator was the invention of Dr. Gustaf de Laval in 1878, the American patent application being filed July 31, 1879, and issuing as Letters Patent No. 247,804 October 4, 1881.

This was the original Cream Separator—of the "Hollow" or empty bowl type—and it has been followed from year to year by the various steps of cream separator improvement and development, all De Laval made or owned inventions, the American patent applications being filed and letters patent issued as follows:

The original hand Cream Separator of the "Bevel Gear" type; application filed October 2, 1886, issuing as Letters Patent No. 356,990 February 1, 1887.

The original hand Cream Separator of the "Spur Gear" type; application filed January 17, 1887, issuing as Letters Patent No. 368,328 August 16, 1887.

The original Steam Turbine-driven Cream Separator; application filed December 8, 1886, issuing as Letters Patent No. 379,690 March 20, 1888.

The original "Tubular" shaped "hollow" bowl Cream Separator; application filed April 19, 1886, issuing as Letters Patent No. 372,788 November 8, 1887.

The original "Disc" bowl Cream Separator; application filed May 12, 1890, issuing as Letters Patent No. 432,719 July 22, 1890.

The original vertical curved or interlocking "Blade" Cream Separator bowl, covered likewise by the application filed May 12, 1890, issuing as Letters Patent No. 432,719 July 22, 1890.

The original "Bottom Feed" Cream Separator bowl; application filed July 25, 1889, issuing as Letters Patent No. 445,066 January 20, 1891.

The original "Suspended" bowl Cream Separator; application filed August 21, 1893, issuing as Letters Patent No. 512,203 January 2, 1894.

The original "Star" or "Pineapple Cone" shaped series of cylinders Cream Separator bowl; application filed August 24, 1893, issuing as Letters Patent No. 521,722 June 19, 1894.

The original "Curved Disc" Cream Separator bowl; application filed January 18, 1905, issuing as Letters Patent No. 892,999 July 14, 1908.

The original "Split-Wing" Tubular Shaft Cream Separator bowl; application filed April 29, 1898, issuing as Letters Patent No. 640,358 January 2, 1900—which invention, with a series of later improvements, is the type of bowl construction used in the De Laval machines of today, and still covered by protecting patents which prevent its appropriation by would-be competitors.

The patents thus enumerated are but a few of the more important of the more than 500 original Cream Separator patents owned, controlled and developed by the De Laval Company during its thirty years of creation and development of the Cream Separator industry throughout the world. They are recited because they show in the most illustrative and conclusive manner possible De Laval originality and leadership from 1878 to the present day.

In addition to these patent-protected features, the De Laval machines have within two years been mechanically re-designed and re-constructed in every part, from top to bottom, so that the new and improved line of De Laval machines are today, even more than at any past period, fully ten years in advance of any other cream separator made.

These are the Rock-of-Gibraltar-like separator facts against which the mere "word claims" of would-be competitors fade away like the mist of night before the rays of the morning sun.

THE DE LAVAL SEPARATOR CO.

165-167 Broadway, NEW YORK
42 E. Madison Street, CHICAGO
Drumm & Sacramento Sts, SAN FRANCISCO
173-177 William Street, MONTREAL
14 & 16 Princess Street, WINNIPEG
1016 Western Avenue, SEATTLE

The City Man Says eggs cost more each year. This is true, yet thousands and thousands of city folk keep poultry to produce the family supply. The raising of poultry and the production of eggs increases each year. The demand grows faster than the production. Result—



THE PRICE GOES UP

The poultry industry has greater possibilities than ever before and it's profitable on either small or large scale. Geo. H. Lee has been a poultry raiser for 25 years and invented appliances he couldn't buy. The same mechanical means that he perfected are used by successful poultrymen everywhere. Lee's "Chicken Talk" is a book written by him. Valuable. Free copy, and 1910 Incubator, Brooder and Poultry Supply Catalog mailed postpaid. Ask for it to-day.

Geo. H. Lee Co., 1121 Harney St., Omaha, Neb.

Try Mine FREE

I still have a number of my fine QUEEN Incubators to put out on trial. Drop me a line. I'll send you my new Incubator Book for you to pick out the size you want.

I want to show you the incubator that outhatches them all and that's so well made. I prepay the freight and guarantee it for 5 years.

Wickstrum, Queen Incubator Man, Box 1 9 , Lincoln, Neb.



At Last, the Perfect Incubator

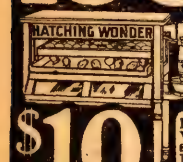


100 EGG INCUBATOR $7.00
100 Chick Outdoor Brooder 5.00
BOTH, FREIGHT PAID $10.00

The Advance—Took 20 years to perfect. Thousands now making money with $10 outfit, raising for market—breeding—selling. Copper tanks, double walls, self-regulating lamp and thermometer complete. It s equal for the money does not exist. Order direct, or full description Free for postal.

ADVANCE MFG. CO. Box 109 Dayton. Ohio.

100 EGG



$10. DELIVERED

Triple wall, copper tank, clear top, full height Incubator. Dependable regulator, nursery, chick drawers and double glass in door. It is 26 inches long, 21 inches wide and 31 inches high. The $10 price includes complete incubator, with thermometer, funnel and instruction book, all delivered at any R. R. station east of the Rockies. With brooder the price is $15. Catalog of larger machines free.

Geo. Ertel Co., 139 Kentucky St., Quincy, Ill.

Your Name Will Get $2 Eggs
For 50 Cents Per Sitting

I will sell 2 sittings of full blood Single Comb Brown or White Leghorn Eggs for $1 for the 2 sittings. Not less than 2 sittings sold. Eggs by the 100, $5. Full blood White or Barred Plymouth Rock or Rhode Island Reds or Silver or White Wyandotte or W. Orpington or Rose Comb Brown Leghorn or Single Comb Black Minorca Eggs, $1 per sitting; by the 100, $7. Large Bronze or White Holland Turkey Eggs, $3 for 10 Eggs. Large White Pekin Duck Eggs, $1 for 10 Eggs.

100 egg Old Trusty Incubator, and 100 Chick Brooder, delivered at your R. R. station, both for $14 east of the Rocky Mountains. This is a rare chance to get a start of extra fine stock and a good Incubator.

Send Post Office order on St. Louis and have your orders booked early.

W. F. CHAMBERLAIN, (*The Perfect Chick Feed Man*) KIRKWOOD, St. Louis County, MO.

GREIDER'S FINE CATALOGUE of pure bred poultry, for 1910, 200 pages, handsomely illustrated, 150 engravings, photos, 30 fine colored plates, describes 65 leading varieties of land and water-fowls, gives low prices of stock, eggs, incubators, poultry supplies, etc. Calendar for each month. How to care for poultry and all details. Only 10 cents. Send to-day

B. H. GREIDER, Box 46, Rheems, Pa.



SHOEMAKER'S BOOK on POULTRY



and Almanac for 1910 has 224 pages with many colored plates of fowls true to life. It tells all about chickens, their prices, their care, diseases and remedies. All about Incubators, their prices and their operation. All about poultry houses and how to build them. It's an encyclopedia of chickendom. You need it. Only 15c.

C. C. SHOEMAKER, Box 828 Freeport, Ill.

MONEY IN POULTRY and SQUABS Start small; Grow BIG. Foy's big book tells how. Describes World's largest pure-bred Poultry Farm; gives great mass of poultry information. Lowest prices on fowls, eggs, incubators, brooders. Mailed 4c. F. FOY, Box 45, Des Moines, Ia.





PFILE'S CATALOG

gives prices of 59 of the leading varieties of land and water fowls. Farm raised stock for sale; eggs in season. Send 2c for my Large 1910 Poultry Book.

HENRY PFILE, Dept. U., Freeport, Ill.



Crown Bone Cutter

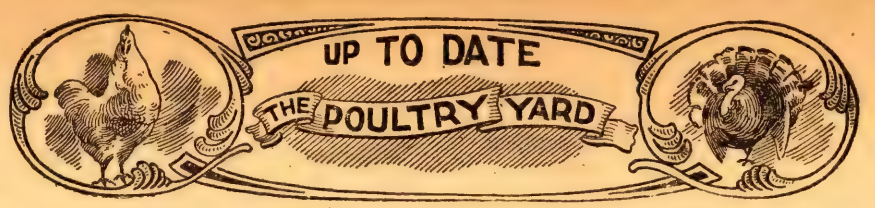
Hens fed cut green bone lay more eggs. Get a Crown Bone Cutter. Send to-day for catalogue.

Wilson Bros., Box 830 Easton, Pa.

BEST MADE Lowest in Price

WHITE PLYMOUTH ROCKS
Eggs from $2.00 to $5.00 per 15
INDIAN RUNNER DUCKS
Eggs $1.00 to $1.50 per 13
J. B. Howe, Box M, Fortville, Ind.

BEES 1000 colonies for sale in lots to suit purchasers with good range. Geo. D. Mitchell & Co. Ogden, Utah.



Biddy Blue

Out near the slough sat old Biddy Blue,
And what she was doing there nobody knew,
Till Jennie and May came out one day
And found she had hidden her nest away,
When into her stronghold they tried to peep,
Old Biddy Blue awoke from her sleep,
And out in their faces quickly she hopped,
Squawking and scratching, she fluttered and flopped.
For hid in the grass, all shivering with fright,
Was a nest full of cute little chickens so bright;
So downy and soft, some yellow, some white
No wonder Biddy Blue made such a brave fight.

TURKEY RAISING

THERE are two methods of rearing these justly popular fowls, and, it matters not what the variety of turkey, the same methods obtain.

The first requisite is good strong, healthy, well matured parent-birds, unrelated. Either the males or the females should be at least two years old. A well grown, young tom may be mated with two or three year old hens; or young well matured hens may be mated to a two or three year old tom. We prefer the first-mentioned mating.

Turkeys begin laying the latter part of March or the first of April. If preferred, the first eggs may be set under chicken-hens and the turkey hen forced to lay another clutch of eggs; before being permitted to set.

Twenty-eight days are required to hatch the eggs. Turkeys are great rovers, and unless several tempting nests are arranged in suitable localities, they are apt to lead one a merry chase to discover the nest and eggs. If a turkey hen settles upon a suitable place she should not be disturbed any more than possible. It is better to remove the eggs each day, but a china egg should always be left in the nest.

A turkey hen will lay from twenty to twenty-five eggs before wanting to set, then, if confined, for a few days, will soon begin laying again; and lay from twelve to sixteen eggs, then she should be set. Sixteen or eighteen eggs can be easily covered. A barrel placed securely upon its side makes an excellent nest for her, or a roomy box. We have had two turkey hens to sit in perfect harmony in a long roomy hollow stump. A low partition was placed between the two nests, and they hatched every egg.

Turkey eggs are very apt to be fertile. Insect powder should be liberally used upon the hen, when first set, and again after she has set a couple of weeks. It should not be used too near hatching time, as it may injure the young poults' eyes. After the hatching is complete, this question confronts the poultrymen. Which of the two methods referred to at the beginning shall I employ? Shall the turkey hen be turned adrift with her young and allowed to rear them after Nature's own plan, or shall I seek by artificial means to assist her? We have seen both plans work with entire success.

The summer of 1908 we tried the **Nature plan.** We had a nice little wood lot pasture, where a noisy brook gurgled over a gravelly bed, and where the sunshine rioted, and played hide-and-seek with dense shadows, where towering hills over-looked the sloping valley—an ideal place for a mother turk and her brood to stray; so we turned them out—with some misgivings, we admit, for it was an experiment.

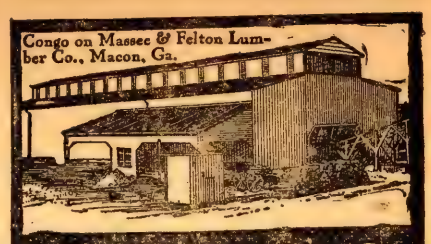
At first we tried to feed them, but it was no use. Madam Turkey thought herself equal to the trust we had confided in her, and marched disdainfully off, calling her brood after her, so we gave it up.

It was a rainy spring, and after an unusually heavy shower we invariably hunted them up, and found them in the best of condition. Unlike a chicken hen who manages to drown her chicks if caught out in a heavy shower, the turkey hen sits right down and covers her brood, under her ample wings, and sits there, until the grass has sufficiently dried to not harm them. If a hawk approaches, the turkey utters a peculiar note of warning, and sits down; while the poults quickly gather under her sheltering wings.

Insects were plentiful, and how they did grow. The greatest trouble we found was to keep them at home when they grew older, When the fall came on, and our neighbors began feeding hogs, they caused us so much trouble, we concluded to sell them; and so we disposed of the youngsters before Thanksgiving, at two-dollars-per-head, in the local market. True, they were full-blooded bronze, and, if wintered, would have easily brought as much again, but feed was scarce and high, and we felt quite well repaid for our care and they had cost us nothing to feed except a little corn, at the very last.

In the other method, the turkey hen is confined in a roomy, dry, well littered coop until the young poults are strong upon their feet. They may then be allowed the freedom of a pasture or orchard, preferably where the grass is kept short by grazing. Sharp sand, and powdered charcoal, together with clean drinking water—provided in some kind of drinking fountain so that the poults will not get wet—must be provided. Hard-boiled eggs, curd, and steel-cut oatmeal, are good foods. Also, to vary the feed, stale bread soaked in sweet milk and squeezed dry. Commercial chick feed may be gradually introduced until cracked corn and wheat may entirely take the place of other foods.

By this time insect food in the fields will be abundant, and they should be allowed to range at will. It is a wise precaution, however, to drive them home every night. In this way they will form the habit of roosting near the barn or house, and will be free from the depredations of quadrupeds or bipeds. MRS. J. B. HOWE.



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Fully Guaranteed

IN the center of every roll of Congo Roofing is a Guarantee Bond.

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Of course such a Surety Bond is as good as gold.

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FOR FACTORY OR FARM



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I've had my say about fence in this book and I want you to read it. Most profitable fence in the world to buy, as I'll show you.

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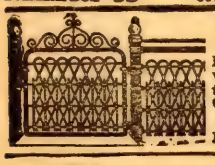


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Many Styles. Sold on trial at wholesale prices. **Save 20 to 30 per cent.** Illustrated Catalogue free. Write today.

KITSELMAN BROS.
Box 884 Muncie, Indiana.

HENS OR INCUBATORS—WHICH?

WE have so many inquiries from our readers concerning the use of incubators, and the relative cost and profits of incubator chicks compared with those of chicks hatched in the old way under hens, that we asked Mr. Robert H. Essex, an experienced poultryman of Buffalo, N. Y., to write us an article on that subject. The following is the result:

Farmers are conservative in taking up new ideas; conservative in buying new things. They have to be. Nevertheless, when they see prospective profits oozing through the safety valve of a new or improved implement, they feel that they must have it, even if they have to give a note for it, or encumber their farm with a new mortgage.

That's FARM PROGRESS, which interpreted signifies PROSPERITY ON THE FARM.

No farm can be complete, no farmer can be superlatively prosperous where progress in labor-saving equipment is ignored. And this applies as well to incubators as to any other implement.

Where not many years ago nine out of nine farms had never heard of an incubator, today the word is passing from farm to farm that the profits are larger, the work less onerous, the hatches more sure, and the hens are, taking fewer holidays—laying more eggs; not ALL on account of incubators, but primarily on account of the incubator, and secondarily on account of the large amount of book knowledge distributed with it. The farmer's wife is doing her share in the profit-making. She always has done it; but now she is gaining recognition as a partner in the business. This is having—it has had, its effect, and the result is, farmers are now posted on poultry profits. They will continue to be posted; and those who have been operating incubators will go back to hen-incubation only when they return to the old custom of treading out the grain with oxen—only when they are prepared to put the cream separator on the shelf.

Poultrymen who are in the business commercially—whose living depends upon the profits, would as soon think of threshing the grain with an old-time flail, as they would of hatching chicks or ducklings with hens or ducks. The thought would be absurd. Without the incubator they would have to go out of business.

Before the introduction of incubators large commercial poultry plants were an impossibility. Mr. James Rankin gets the credit of putting the first lot of ducklings and broilers on the market in considerable numbers, and making it pay. But James Rankin's only salvation was the invention of an incubator. Without its aid he found he could not make a business of raising poultry for market at a profit; so he made one.

That was many years ago. The incubator of today has improved as time has rolled on, and—but no more need be said regarding the future of the incubator (the built-to-hatch incubator) in the poultry business. Hens will continue to be used where only a dozen or two chickens are intended to be kept for home use; but on the farm where chickens can be fed cheaply and are raised by fifties or hundreds, the time-saving incubator, the economic method will be—is adopted.

The farmer and his wife sometimes face a disconcerting situation when they have finally decided that they wish to get more of the poultry profits by buying an incubator. The question arises—"Which incubator shall I buy?"

I may not advise them here except generally.

There are a number of good incubators on the market; and there are a number of built-to-sell machines that the farmer cannot afford to experiment with; but the present day farmer has his eye-teeth cut and knows he cannot get something for nothing. To be successful in raising poultry one must use business-like methods with business-like equipment.

In buying an incubator go about it the same way you would if you were buying any other agricultural implement. I might advise again and again, but I cannot give better advice than that. Think it over; and be as particular as you would in trading horses.

Mr. Editor, when you personally know of poultry plants each using from 50 to 100 incubators; of plants hatching 40,000 ducklings in a single season; of fanciers hatching their New York-Chicago-Boston winners in incubators, and raising them in brooders, there's not much left for me to say. It is not evidence of the utility of incubators that is wanted, because anybody can get that in any down-to-date incubator manufacturer's catalogue—evidence on the size of the poultry business; on the profits in the business; on the decadence of "mother" hen (unless the hen that lays the eggs is the mother; and the coming-into-her-own of the hen that never could be made to sit. That is all common knowledge.

I believe the farmer is lacking in confidence. That's all. Confidence that he'll get what he pays for. Yet it is certain that he will get exactly what he pays for—NO MORE, NO LESS. Manufacturers' profits are not big these days. There's not much money in making incubators and brooders; and if the farmer and his wife exercise their judgment in buying, (and not expect to make "a silk purse out of a sow's ear") they will certainly be successful in the purchase and use of down-to-date equipment for hatching.

Keep the eggs clean. The ordinary buying clerks like to see clean eggs, and they admire those who never bring any other kind to market. Dirty eggs should be carefully cleaned, with a dry cloth if that will remove the dirt, with a damp one if required. Eggs that are to be kept for any length of time should never be washed. The water opens the pores in the shells, which then too freely admit the air and the egg soon spoils.

WHAT HE USED TO EAT

"How real your painting is! It makes my mouth water!"

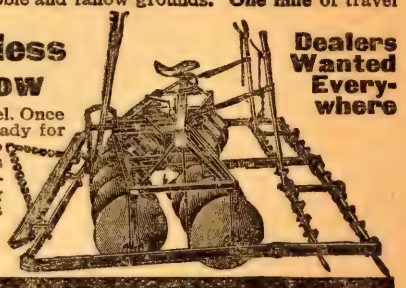
"A picture of the sunset make your mouth water?"

"Oh, is that it? I thought it was a fried egg."

This Tool Saves Plowing

Four times as rapid as the plow and makes just as good a seed bed. Disc and harrow combined—the great 2-in-1 combination for corn, stubble and fallow grounds. **One mile** of travel by the team means **one acre** ready for seed.

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Discs cultivate and stir, spikes pulverize and level. Once down the field completes a strip 8 feet wide—ready for seed. Discs and spikes can be set at any angle to work deep or shallow. Only front row of discs work in unbroken ground. Write for full description and Special Introductory Offer. Something good for first one writing from each town. Address

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$7.55 Buys Best 140-Egg Incubator

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Double cases all over; best copper tank; nursery self-regulating. Best 140-chick hot-water Brooder, $4.50. Ordered together $11.50. **Satisfaction guaranteed.** No machines at any price are better. Write for book today or send price and save waiting.

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FIFTEEN YEARS line bred for WINTER EGGS, meat, health and vigor. Why as hardy as jungle fowl. None so valuable one day off their feed they go to the block. Easier to breed WINTER Layers than 200-egg hens. WINTER Layers what FARMERS want. Booking orders now at $1.50 per 15. With every order we send leaflet how to get winter eggs. Postal for mating list. Address UTILITY FARM, Watsontown, Pa.



125 Egg Incubator and Brooder Both For $10

If ordered together we send both for $10 Freight paid east of Rockies. Hot water, copper tanks, double walls, double glass doors. Free catalog describes them.

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14¾ Cents a Rod

For 22-in. Hog Fence; 15 3-4c for 26-inch; 18 3-4c for 31-inch; 22c for 34-inch; 25c for a 47-inch Farm Fence. 50-inch Poultry Fence 33c. **Sold on 30 days trial.** 80 rod spool Ideal Barb Wire $1.55 Catalogue free.

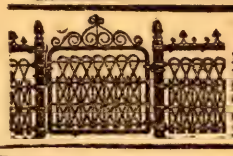
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The verdict of a million farmers—the men "on the other side of the fence"—unanimously concedes supremacy to "PAGE." The Pioneer of Woven Wire Fences has been tested by **a quarter of a century of field service.** It has the backing of a vast army of fence users, whose opinions are summed up in thousands of letters like these:

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Dear Sirs:—I thought I would send for your price list of Page Fence. I have had 100 rods of the Page Fence up for ten years and it is good yet, and would like to get some more and want you to send the price list as soon as possible.

Yours truly, JOHN MARZOLF.

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Dear Sirs:—Please send me price list of 1258 stock fence. I have the first Page Fence put up in Union township. It was about 24 years ago that it was built, and is a good fence today. I have built about a mile of Page Fence since, 1258 and 2058 heft. There is no agent here at present, and I believe there could be a large sale in this locality if it was worked just a little, for it is the best fence on earth.

Lock Box 11. Yours truly, GEORGE E. ROE.

Page Woven Wire Fence Co., Adrian, Mich. White River, Vermont.

Gentlemen:—Some five years ago I bought of you some woven wire fence. This was sent to me at Wilder, Vt. The fence has given excellent satisfaction, and to the best of my knowledge nothing bigger than a cat has ever gone through it. Where can I get more, and can I be sure of prompt shipments? Will you send me prices and descriptions? I am especially interested in a hog fence. Yours truly, C. D. HAZEN, Jr.

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I own_____ acres and am interested in

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Fill out and mail the "Show Me" coupon today, and both the free sample of Page Fence and the big catalog will be sent you promptly.

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ONCE GROWN ALWAYS GROWN

is the reason why for many years past I have done such an enormous seed business. 67,801 customers in Pennsylvania alone, with almost half a million the world over. My New Seed Book for 1910 is a wonder; contains everything in seeds, bulbs and plants worth growing. Weighs 12 ounces, contains over 600 illustrations, 192 pages. Any gardener sending his name on a postal card can have it for the asking. Address

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Send 5 cents (stamps), and if you mention this paper I will enclose in the catalogue a packet of the above choice pansy seed.

SEEDS

BUCKBEE'S SEEDS SUCCEED!

SPECIAL OFFER:

Made to build New Business. A trial will make you our permanent customer.

Prize Collection Radish, 17 varieties; Lettuce, 12 kinds; Tomatoes, 11 the finest; Turnip, 7 splendid; Onion, 8 best varieties; 10 Spring-flowering Bulbs—65 varieties in all.

GUARANTEED TO PLEASE.

Write to-day; Mention this Paper.

SEND 10 CENTS

to cover postage and packing and receive this valuable collection of Seeds postpaid, together with my big Instructive, Beautiful Seed and Plant Book, tells all about the Best varieties of Seeds, Plants, etc.

H. W. Buckbee, 2137 BUCKBEE STREET ROCKFORD, ILL.



TOMATO GRAPES

A Great Curiosity for garden or yard, just what you want, grow from seeds in 4 months, will climb an arbor, porch or any support 10 to 15 feet, vines completely loaded with large clusters of fruit, size of grapes, flavor of tomatoes, red in color, excellent for preserving.

Lemon Cucumbers, a splendid fruit, grow on long vines in great abundance; color, shape and size of lemons, quality equal to the best cucumbers.

Early June Cabbage is the earliest of all, forms good size heads in June.

Early July Tomato is very smooth, bright red, ripens in North by July 4th.

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To introduce our seeds we will mail one **trial packet** each, all 4 pkts. in Coupon Envelope for 4c, and coupon envelope will be accepted for 6c in pay for any seeds we offer in our catalog.

1910 8-Color Catalog is handsome book of seed bargains, sent free with every lot.

Smith Bros. Seed Co., Box 637, Auburn, N. Y.

You can't sow thistles and reap figs. If you plant Ferry's Seeds you grow exactly what you expect and in a profusion and perfection never excelled.

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Garden, Field and Flower seeds.

Catalogue ready. Send for copy—Free.

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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in.

If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

GARDEN NUMBER

The UNQUALIFIED SUCCESS of the new Garden Department has led me to prepare three SPECIAL NUMBERS, of which the first, the SPECIAL ORCHARD NUMBER, appeared in the issue of February 1. This is the Garden Number, and the next will be the SPECIAL SMALL FRUIT NUMBER. These special numbers will be of special value to my new readers; but—**I need that extra page.** Have you ten friends in whom you have interest enough to get their names as new subscribers at 50c each for two years? **Will you help me today?**

SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

THE FARMER'S GARDEN

I have for many years paid especial attention to the many problems presented by the farmer's garden. It seems to me very strange the attitude that some (otherwise intelligent and up-to-date) farmers take toward the work of the gardens. They seem to estimate it as too small a thing to receive the attention of one who is master of the destiny of, perhaps, 160 acres of fine, fat land, but this attitude shows that, like the Good Young Man of the Scriptures, they lack one thing: An appreciation of the value of small things. This brings me to the place where I pause long enough for a little

Talk to the Farmer.

The thought has occurred to me that I could do a deal of good in forwarding interest in the farmer's gardens by a heart-to-heart talk with the farmer himself, so if this article is first read by the farmer's wife, let her mark it and pass it on to him.

Now, my farmer friend, what do you know about your own garden? Have you ever kept a record of its receipts and expenditures? Has it a full equipment of the necessary tools? If not, read on further what I say about them. Have you studied its necessities as to special fertilizers, for special crops, and have you furnished them? If not, have you comprehended what you have lost by not doing so? Do you know that the garden is the most profitable portion of your farm (investment considered)? Has your wife been working with a hand-hoe (rusty, round-cornered, one) while you have been riding a wheel cultivator in comparative ease? Do you know that it will pay you to get for the garden all the necessary conveniences to accelerate the speed of the garden work?

If you can answer all these questions satisfactorily, you may rest easy as to what is to follow; but, if not, ponder my words well, for they are true, and written for your benefit. Too long has the garden been the "Yellow-dog" of the farm. It can be made a most profitable institution. Conscientious garden work and the EQUITY SYSTEM OF MARKETING are the secrets of success.

Soil Preparation.

The proper preparation of the soil for a garden season, like the education of a child, begins before it is born. Last fall the garden should have been cleared of all rubbish, which should then have been burned, to destroy the eggs and cocoons of insects, and during the winter the plans for the next season should have been made. Among those plans there should be a place for the renewal of the soil of the garden. What it needs depends upon its condition. If the crops from it were not as satisfactory as they should have been, make a list of crop-defects. If the root crops were lacking in size and quality, make a note for more potash; if the legumes were deficient, it indicates a lack of humus and nitrogen in the soil; if the succulent crops were not as succulent as they should have been, the soil needs phosphoric acid. Also, consider the physical condition of the soil. Is it light, heavy, sticky, sandy and loose, or mellow?

All these things enter into the question as to what the soil needs. Above all, it must have plenty of humus, and for that purpose use well-rotted stable manure, that from a stable in which leaves or wheat straw, has been used as bedding is best. The old practice of putting the manure deep in the trench while dilling the garden is on a par with the older method of spreading it on top of the solid earth, and "digging it down." Both of these practices put all the humus at the bottom of the soil, and it is of little use until the soil has again been dug or worked the following year. The modern way is to work the soil fine with a horse, or hand, cultivator-plow, and when it is as fine as it can be made, down to a good depth, put on your manure thickly, and plow it under with a shallow plow, and the disk or harrow will distribute it all through the soil, as it should be. The farm garden should, if possible, be worked with a horse in the first stages of preparation. Farmers have complained to me that they could not work horses in the garden on account of the fences, to which I reply that if a farmer must have fences around his garden, let them be made of woven-wire, and with portable panels. A garden soil is well worked and in first-class condition when you can run your hand clear down to the sub-soil with little effort.

Garden Tools.

No time should be lost in taking an



SEEDS.

3 Pkts. FREE.

Park's New Everblooming Petunias. Finest known. A glorious, fragrant bed, 20 feet across, lovely shades and markings, the envy of your neighbors, **Free.**

1 Dark Purple, Rose, Carmine, Crimson.
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5 Fine Gloxinias, 5 colors, 25c
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My Flower Friend, write me a letter (*not postal*) and I'll send these **Grand Petunias (Worth 50c) and** *culture*, with **Guide**—all about flowers, packed with good things, nearly 1000 plain and colored engravings. I want to know you. Will you not write me today?

And When Writing Why Not Enclose 10 Cents for year's trial of **Park's Floral Magazine,** just what you need to help cheer and brighten your home. The **Oldest** and **Best** floral monthly in the world, and a welcome visitor in over **500,000** homes. Why not in yours? With it I'll send **Park's Surprise Seed Package, 1000 Sorts,** for a big bed that will delight you with flowers new and rare every morning the entire season. Money back if not pleased. Club of three 25 cts. Club with friends.

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Magazine and 10 pkts choicest Flower Seeds . 15 cts.
Magazine and 10 pkts choicest Vegetable Seeds 15 cts.
Magazine and 20 pkts, enough for both gardens 25 cts.

16¢ SEED BARGAIN



Here is a joy collection, beating the world, composed of

10,000 Kernels

Richest, juiciest, tenderest seeds.
1500 Each, Lettuce, Turnip, Rutabaga.
1000 Each, Onion, Celery, Carrot.
1000 Rarest Radishes, alone worth 16c!
100 Each, Parsley, Melon, Tomato.
1200 Brilliant Flower Seeds, **80 Sorts.**
In all **10,000** kernels, including big catalog, all postpaid, only 16c in stamps.

Send us a name for our new breed of corn and if it is accepted, you will win

$500 IN GOLD

The new corn is not for sale, but 4c brings sample packet. You need not get sample to enter contest, however. Just give us the best name. If another sends in same (acceptable) name as you do, the prize will be equally divided. Mammoth catalog loaded with Seed News free. Address

JOHN A. SALZER SEED CO.
116 So. 8th St. La Crosse, Wis.

WORLD'S GIANT TOMATO 5¢



This King of all Tomatoes is largest and most productive ever offered. Engraving was made from photo of plant grown by J. B. Gilbert. It grew 18 feet high and produced 5 bushels of fruit, very large, smooth, few seeds, solid all through, red in color, ripening very early and continuing all summer.

We want every person who uses seeds to see our Seed Book and test our seeds and we will give sample packet this **Giant Tomato,** also 3 other great **novelties free** for trial:

1 pkt. 16 Day Radish. Earliest Round Red Radish in the world.
1 pkt. Gigantic Cabbage. Largest heading kind known, from Europe.
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inventory of the garden tools on hand, in good condition. All should start the season free from rust, and should be sharp, and square-cornered. They should be kept in a place by themselves, and not mixed among a miscellaneous assortment of farm tools, and it should be the rule of the garden that after use all tools must be cleaned and put in their proper places.

The practice of gardening with old-fashioned hand tools is as much out of place in the Twentieth Century as is the hand-hay-rake, or the wheat-sickle on a prairie farm. The modern garden tools should have the very latest attachments for all purposes. The horse should be used in all operations possible but there are, of course, many which must be done by hand, for these use the hand machines. The Planet, Jr., type is good. The hoe or weeder should only be used as a finish or a last resort. The planting of seeds should be done with planters as far as possible. There are a number of good hand-seed-planters on the market and they are not expensive. One of the reasons many farmers neglect the garden, is, that by the archaic methods employed it takes so much time to do operations which could be done in one fourth the time, and done better, if there was a modern garden equipment. It will be money in pocket to fully equip the garden. Get the equipment now. Do not wait until the tools are needed.

The most important help in a garden, from all points of view, is a good strong man, who can be had when needed, and not when the other work will spare him. In an acre garden there will always be work for him, and he will "work his passage."

Manures—Fertilizers.

In addition to the stable manure recommended above, there will be needed special manures for special crops if you are going to grow them for high prices which such will bring. It is impossible to give advice on this subject that will be applicable to all sections where we have readers. But the manufacturers of fertilizers who advertise in UP-TO-DATE FARMING, are fully alive to the needs of all sections of the country. They have worked it out in order to market their products in all sections, and if you write them, giving them a description of your soil and any other data which you may have at hand they will advise you what to use for any crop. Or, you can send, prepaid by express, a gallon sample of your soil to the Division of Soils, Department of Agriculture, Washington, D. C. with a letter enclosed, and they will give you an analysis of what is now in your soil, which will enable you to purchase understandingly what you need. If you send the analysis to me I will make recommendation.

I do not advise the indiscriminate application of chemical manures to garden soils, but advise that the right kinds be used for specific purpose in growing special crops. In these days of differentiation, when we apply chemical fertilizers we should do it with a definite object in view—such as the growing of potatoes, early-peas, or other crops for which the soil-content is not sufficient.

Growing Special Crops.

There is more to be made by the gardener who grows special crops in an intensive manner than in a too diversified list of garden crops. To know your market and then grow early crops, specially the things which the market will absorb at good prices, should be the aim.

Early Peas.

One of the most profitable crops that can be handled in the farmer's garden is early peas, of which there are a number of good varieties. You can have a market for these at the top prices charged by dealers who import from the South and you can easily take the trade, as everyone would rather have the home grown peas.

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They can be started in the house or cold-frame or hot-bed in two inch pots, or pint-size ice-cream boxes. By the time that garden is usually made they can be set out in the rows, without disturbing the roots, and by careful attention and watering if the weather is dry, be brought rapidly into bearing. One of the best ways of keeping the trade of good customers is by growing enough of the best, early things to supply the demand when you can hold them during the season. A reputation for a high-class of goods will enable you to charge a slightly better rate than others, all the year. Put the peas in clover-sod soil, if it can be had.

Early Lettuce and Radishes.

These two money-makers go side by side in the hot-bed or cold frame, and should be grown in every farm garden, for home use, as well as for sale. Very little green-truck is eaten on the average farm during the winter, and besides the early market demand the aim should be to supply the home table as early as possible as a matter of health. Also a frame can be put over the crowns of the rhubarb, and bring it on a month earlier than if grown in the open. Lettuce and radishes will require plenty of nitrogen, which can be given in nitrate-of-soda solution in watering; an ounce to a gallon of water.

Early Tomatoes.

This is also a very profitable crop. The tomatoes should be planted indoors, and potted off into two inch pots as soon as they get their third leaf, and kept shifted to larger ones as the pots fill with roots; or shifted into flats, but the pots are better. If properly handled they will be in bud and bloom by the time it is safe to set them out in the open, and very early tomatoes can be had. But you must sacrifice quantity to quality. Do not allow more than three fruits to set to a stalk. Cut the top of the plant off above the fruit stems, and keep off all suckers. Tomatoes must have a sunny location. Run the rows East and West, and clip off the foliage, which hangs between the fruit and the southern exposure which they should have all afternoon.

Other Special Crops.

There are a number of other crops which can be specialized upon in order to catch the high prices which obtain for the best early vegetables and fruits. Spinach, beans, beets, onions and carrots can be forced by patient attention and effort. For such crops there is always a good market. For them you should have a soil filled with humus, and use plenty of a well-balanced vegetable fertilizer, and give intensive cultivation.

The Hot-bed and Cold-Frame.

Directions for making these were given in a recent number of UP-TO-DATE FARMING, but I want to mention several points regarding their management. You should have the manure and soil in the hot-bed ere this appears, as well as the soil in the cold-frame. Be careful and do not plant seeds in the hot-bed until fermentation is well under way, and the temperature steady. When planted, watch the thermometer and give plenty of ventilation on bright days. As there is quite a difference in the outside temperature, between day and night, in March, arrangements must be made for covering the frames with carpet or straw-mats when it gets below forty. Also, it is better when ventilating the hot-beds, to raise the sash at the high end, as the current of warm air rises. Ventilation will have to be given the cold-frame also as the weather gets warmer. It is intended that cultivation in these frames be intensive, and one crop must follow another as close as possible. This can be done by starting seeds in the hot bed or in flats in the house after the first ones have been started in the frames, so as to have fair-sized plants to set in them as soon as the first ones are ready to pull. It is astonishing how much can be grown by a skillful person in a hot-bed 6x12 feet. Try it. **Women make good intensive farmers along this line.**

Cultivation.

In addition to what has been said above there are some other important points about the general cultivation of the garden. The garden is not the farm-crop field. It is a special acre, more or less, devoted to the growing of special crops. After it is planted, and the cultivator used, there is plenty of necessary and unavoidable hand work to be done. The gardener who is afraid to go down into the soil with his hands will be a failure. The best gardener within my knowledge goes over his plants, after the cultivator and the hoe, and "hands" them, i. e., works about them with his hands, working the soil in around them, and picking out the small weeds which have been missed, and giving the soil a good mellowing. Any one who has worked about his plants with his hands will know what I mean. This doctrine of "handing" was long taught by the late Peter Henderson, and the gardeners he sent out from his gardens have never been excelled. The cultivation of the garden should be as continuous as possible, but, after rains, allow the soil to get mellow before breaking it, and then do it thoroughly.

Insect Pests In the Garden.

The question of insect pests in the garden is one that demands insistent attention, if success is to be assured, and prevention is always better than cure. The Experiment Stations have been giving a great deal of study to this question, and while they do not always agree as to methods, they all reach the same conclusion—the noxious insects must be exterminated. Happily some of our finest vegetables

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Don't put off that manure spreader matter one more day. Don't let it lie over night.

Rouse out your pencil and drop me a card for my spreader catalog. Get it and investigate. Its full of live facts. You can't tell how good and valuable it is till you see it. Make yourself acquainted with the biggest thing in Manure Spreader History. That is the Matchless Galloway Wagon Box and Complete Spreaders. Made in enormous quantities in my own factories at Waterloo, Iowa. Priced right, guaranteed absolutely. What I say to you is in black and white. I write it in the contract. Whatever promises, claims or challenges I make, I write it in the contract. No verbal promises go with you. I put it up to you unreservedly. There are no strings to my promises to you.

Here's sparts "Try my Galloway Spreader 30, 60, 90 or 120 days. If you are not satisfied, I will pay the freight both ways and refund every cent of your money with 6 per cent interest."

NOW GET your letter, postal card, telephone or wire into my office. Ask me to send you my Book of Facts on the manure spreader. Today, right now, is the best time. Do it before some other thing comes up. Write me now for my Manure Spreader Catalog. Write me the kind of trial proposition you'd like to have.



FREE This book contains barrelsful of good information about Manure Spreaders and how to make money with them. Ask us for one—they are FREE!

WM. GALLOWAY, President, THE WILLIAM GALLOWAY COMPANY, 507 Galloway Sta. WATERLOO, IOWA.

There is going to be the hottest rush for manure spreaders this spring that ever happened in Manure Spreader History, and I am prepared for it. I had the hunch 6 months ago. It's not too late now for you to write me and it isn't a moment too soon. Do it then while you have it in mind, today. Get my special prices and proposition **NOW.**

do not as yet have a particular parasite—I say, as yet, for there is no knowing when one will attach itself to any particular plant.

On a large scale the cabbage-worm has caused the greatest loss to gardeners, but a remedy has been found which I believe will exterminate this pest from our gardens if universally used. One of the largest Texas cabbage growers, almost in despair, having tried many so-called remedies, tried a one percent. solution of Banner Lye (one gallon of lye-solution to one hundred gallons water), killed the worms and got a full crop. The plan is: Watch for the first appearance of the worms. Then allow four days for all the early eggs to develop, and spray the cabbages with this mixture using a very fine spray. It kills by contact and is also poisonous to the worms if eaten. Within two weeks there will be another crop and another spraying must be given. Should there be a later crop of worms, spray again, as there is no danger in using, as the outside leaves of the cabbage are never eaten.

One of the hardest pests to combat is the root-aphis, or lice, of peas and beans. If the vines appear to be drying in spite of plenty of moisture, carefully dig one up. If the roots are covered with dark colored lice, give the soil about the roots a soaking with tobacco-water. The hollowing of root-crops by white grubs can best be prevented by a sprinkling of lime on top of the soil when raking, but in the absence of this preventative little can be done. A crop of radishes can be ruined by this insect. The green aphis often attacks lettuce, which can be best combatted by spraying with a hard, cold, stream of water, from a fine nozzle. The striped cucumber beetle is a hard pest to combat, but it can be done by dusting the vines with land plaster. For the currant-worm, the standard remedy is white hellebore, dusted on, but it should be done after a rain or a soaking by the hose, so it will stick, or the first high wind will blow it off.

Packing And Marketing.

There has not been enough attention paid by farmers to the packing and marketing of their products in order to get the top price. It has been proven by the Pacific Coast fruit growers that choice fruits can be sold very largely by an appeal to the eye, and that when the eye is pleased the palate is tempted. Those prosperous fruit growers consider the packing and marketing as more than half the science of orcharding and the same will apply to gardening. What value is it to you to grow the choicest tomatoes if you take them to market covered with mud, and potatoes in a similar condition. In these days of sanitary ideas an attractive, clean, package helps to sell the fruit or vegetables.

There is a stand in a market-house in an eastern Pennsylvania city, where a young farmer is getting rich from a twenty acre farm. He has almost all of it in garden, and his vegetables are so attractive that he has a trade which no one can take from him. He takes to market only vegetables which will grade extra-choice, and they are as clean as water and effort will make them. His tomatoes are washed, dried and polished with a woolen cloth, and he gets 30c. a half-peck when others are getting twenty. He puts them up in card-board cartons in quarter-peck sizes, and half-peck and peck baskets, lined with paper. His potatoes are put up similarly, and every one is washed and dried, and all imperfect ones culled out. It makes one hungry to see his stall at the opening of the market, but he really has gained his reputation as much by the honesty of his packing as by the appearance of his goods. There are never any small vegetables or fruits in the bottom of his packages. Everything is honestly graded, and the culls used at home or sold to persons privately who know just what they are buying at a cheap rate. This policy will pay anyone.

HOW MUCH LATER

A husband who was a traveling man received the following dispatch:

"Twins this morning. More later."

Greater Department Coupon

(Garden and Orchard)

Mr. J. A. Everitt, Editor,
Indianapolis, Ind.

I value this department and wish more space could be devoted to it. Having seen your announcement that when the circulation is 200,000 another page will be given to Mr. Hamilton, editor, I will do what I can and send a club of ..... subscribers and enclose $..... in payment for them.

(TERMS—2 *years* 50 *cents, or we will accept two subscriptions or renewals* 1 *year each for* 50 *cents, larger clubs at* 25c, *each.*)

My Name .....

Are you a new or old subscriber?.....

My Address .....

My Friend's Name .....

His Address .....

For additional names attach a sheet.



LET THE COWS PAY FOR IT

from the surplus earnings over and above what you are now getting for your butter and cream.

Pay $5 at time of purchase and $5 a month until paid for in full. That is practically making the cows pay for a

Monarch Cream Separator

and you save $20 to $25 in agents' profits and freight by ordering direct from factory.

MONARCH CREAM SEPARATORS are priced at from $29.75 up, according to capacity



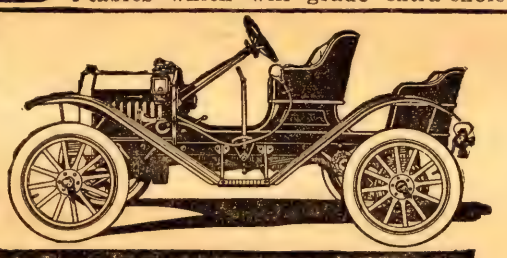
They are sold with an unlimited guarantee that absolutely protects you for 20 yrs. to come.

Try the MONARCH 30 Days Free and if you don't find it the easiest running, closest skimming, best all around separator you ever saw, send it back at our expense.

Write today for our plan of how your cows can pay for separator.

LISLE MFG. CO.
890 Main St., Clarinda, Ia.

$1000.00 IN PRIZES



To be Given Away in a Great Contest for Big Cash Prizes—Free—and open to everybody. Help the "100,000 Club" and you can earn a big reward for a little easy, pleasant, spare-time work. Write today for full particulars. Contest to be conducted by

The Fruit-Grower
St. Joseph, Mo.
Box 219

FIRST PRIZE $500 AUTO
Brush Runabout Shown Above

SECOND PRIZE—$100.00 CASH

3rd Prize.....$75.00	C	8th Prize....$25.00
4th Prize.....$50.00	A	9th Prize....$25.00
5th Prize.....$50.00	S	10th Prize....$25.00
6th Prize.....$50.00	H	11th Prize....$25.00
7th Prize.....$50.00		12th Prize....$25.00

WHICH PRIZE WILL YOU GET

The Fruit-Grower is the world's leading fruit and farm magazine—brimming over with hints and helps for fruit growers. January—Special Spraying Number; February—Annual Gardening Number; either issue worth a dollar to anyone interested in fruit—sample free. The "100,000 Club" is a Great National Organization to benefit fruit growers in a practical way. Everyone will want to join. Send coupon today for "the way to earn a prize" and get busy.

The Fruit-Grower, Box 219, St. Joseph, Mo.
Tell me How to Earn the Auto or One of the Big Cash Prizes.
Name .....
Town..... State.....



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We will quickly fit you at home by mail for a big paying position as Fireman or Brakeman. We have thousands of successful graduates. Our Instructors are practical railroad men.

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A WHOLE GARDEN OF ROSES FOR YOU



IF YOU RENEW OR SUBSCRIBE NOW

EIGHT MAGNIFICENT ROSE BUSHES

IN offering our annual plant premiums for subscriptions, I desire to call attention to the high quality of the plants offered, as well as the size of the offers. I hope that every lover of flowers, and all friends of the GARDEN and ORCHARD DEPARTMENT will make a thorough canvass at once of their neighborhoods, in order that the best of all farm papers—UP-TO-DATE FARMING—may be placed in every farm home. Start your canvass today, and send the money and the coupon to the publisher. I thank you now and sincerely,

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

MAIDEN BLUSH

Grand New Garden Rose. A most promising Summer Bedding Rose with beautiful, firm, glossy foliage, quite like Maman Cochet in appearance; very vigorous in growth, with flowers of heavy texture. Color white, shading to pink. Succeeding admirably in open ground. Produces immense blooms on long stiff stems; hardy with light protection. One of the very best Garden Roses we have. The buds and flowers are exceptionally fine.

MAMAN COCHET

An excellent pink Rose, with rich, healthy foliage and large flowers, on long, straight stems; color deep rosy-pink, the inner side of petals silvery rose. Equally valuable for pot culture or outdoor planting.

KAISERIN AUGUSTA VICTORIA

This beautiful Rose has not only a royal name, but is a royal Rose as well. It is a continuous bloomer, producing successive crops of buds; and formed with large petals of best substance; shows no center when fully open; color pure creamy-white. It far surpasses any other white Rose in all particulars, and has a much richer perfume.

HELEN GOULD

This is a most notable production—the strongest growing, freest blooming and hardiest Hybrid Tea Rose now known. One of the largest and fullest of red Roses. Long, plump buds, forming flowers of grand size and great beauty. A most valuable cut-flower variety, rivaling American Beauty, Rapid, abundant grower, producing great quantities of large, fine flowers.

METEOR

The color is rich velvety-crimson, exceedingly bright and attractive. The plant is of vigorous growth, and very free flowering; a constant bloomer. Fine for summer bedding or pot culture.

THE BRIDE

This is undoubtedly the finest white Rose ever offered to the public, and we take great pleasure in recommending it. It is a Rose that supplies a long-felt want. A few of the white ever-blooming Roses now in commerce have beautiful double flowers, but none of them compare with the Bride in the size and shape of buds and half-expanded flowers.

MLLE. FRANZISCA KRUGER

Probably the best all-round bedding Rose we have. Its shadings of deep coppery-yellow stand distinct and unique.

CLIMBING CLOTHILDE SOUPERT

In a single season small plants will grow fifteen to twenty-five feet, producing cluster after cluster of finest formed flowers. They are distinct, large, round, full and double, with beautifully imbricated petals, and deliciously sweet. The color effect is magnificent ivory-white, shading toward the center to a silvery-rose. Cluster after cluster of flowers are produced throughout the entire season.

MY OFFER For each club of only two yearly subscribers, new or renewal, at 30 cents each we will send this complete collection of eight rose bushes all charges paid. Fill out the coupon and attach it to your list of subscribers.—S. A. H.

- — —CUT COUPON OFF HERE— — -

ANNUAL FLOWER PREMIUM COUPON —ROSES

Publisher, UP-TO-DATE FARMING,
Indianapolis, Indiana.

Enclosed please find $..... for.. subscribers for one year each, to be sent with the premiums to the names and addresses *on the list attached.*

Name .....

Address .....

Taffeta Silk $3.98 Petticoats

TO YOUR MEASURE

Genenous Proportions. Silk of good wearing quality. We make Petticoats from $3.98 to $12.00 which for material, workmanship and style **cannot be equalled anywhere for the prices we ask.**

Do not buy a Petticoat from anyone until you have seen our Free Book — "PETTICOAT SPECIALS." We want you to have one of these books whether you want a Silk Petticoat or not. Simply send a post card and say: "Send me your free booklet, "Petticoat Specials"—and it will go forward to you by return mail.

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313 Mercer St., New York City



Just your name and address and we will send you 24 packages of our **New** style **Easy-to-Thread Gold Eye Needles** and 12 **Satin Finish** Pure Aluminum Thimbles, all post paid with **Big 16 Page Premium List.** You sell the Needles at 5 cts. a Package and to each person that buys 3 Packages, you give a Thimble **Free.** Your success is certain. When sold send us the $1.20 and we will send you the Premium you select and are entitled to in the Premium List, order at once and get extra Presents **Free.** Address
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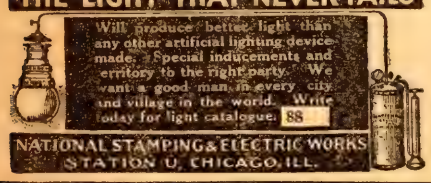


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When attached to any oil lamp produces Six Times Brighter Light than electricity, gas or ordinary oil lamp. Uses half quantity kerosene. One Pint Burns Six Hours Mantle Outlasts All Others. Light Is Brightest, Steadiest, Cheapest and Easiest on Eyes.
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Will produce better light than any other artificial lighting device made. Special inducements and territory to the right party. We want a good man in every city and village in the world. Write today for light catalogue. 88
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Malted from choicest Montana Barley, shipped in strong air-tight drums, at . . . . . **6c per lb.**
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We SAVE you about one HALF on Groceries and general Merchandise and pay freight. Send no money but write at once for Free Catalogue 135
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When writing to advertisers don't fail to mention Up-to-Date Farming.



THE LADIES SOCIETY OF EQUITY

IN the appropriate department of UP-TO-DATE FARMING frequent mention has been made of the Ladies Society of Equity, which had its origin a few years ago at East Jordan, Michigan, and is the work of some of the most intellectual ladies of the country—large hearted, self-sacrificing and progressive.

This auxiliary organization can be made a great help in the solution of the farmers' problems, but it has another distinctive field that stands in as great need of cultivation as any other—the intellectual and social side of farming. Rural life is ripe for work in these lines. The drudgery of farm life becomes irksome as intellectuality advances, and the developing greatness of the rural mind hungers for social advantages farm households have not heretofore enjoyed. That means to attain these are being found is made clear in another article in this paper concerning boys and girls agricultural clubs. Further evidence of the necessity of freer and higher social opportunities in farm life is found in an article by Dr. Warren H. Wilson, as well as the success with which such efforts are being crowned. The cultivation of social life in the country, says the Doctor, must begin and must end with the cultivation of the group life of the women. Women are the organizers of social life in all communities. They are more intensely loyal, he continues, and more conservative, and the moral life of the people, which is the product of organization, is of greater conscious importance to women than to men.

Reference is made by Dr. Wilson to a ladies society in a New York neighborhood that was organized some twenty years ago, and that still exists. It has influenced the lives of its members in every way for good and in the most intimate personal affairs, and it has been a center for the social life of the whole community. Women whose lives possessed little privilege have found it rich in social advantage and enjoyment. It has done much to make life happy for its members, and to make the community attractive to them wherever they may afterward have lived. For such a society a rural community offers the greatest advantage, and just such a society is needed in the rural community more than anywhere else in the world.

It occurs to us that the Ladies Society of Equity meets all these requirements in a superlative degree, and any neighborhood must be infinitely bettered by such an organization. Leadership is the thing most essential to success—large hearted, enthusiastic, magnetic, resourceful leadership. Means of attracting and maintaining an interest is of first importance. Contests in the lines to be promoted, as suggested in another article in this issue, are very effective, and UP-TO-DATE FARMING will invariably help in promoting these contests.

Combined work of the ladies and the men in their Local Unions affords an ideal opportunity for the solution of farm problems, and the general uplift of rural life.

THE WALK DOWN THE STREAM

(By Olga A. Jones)

LET us take a little journey together. It is morning's brightest hour, when the air is pure and everything is fresh, the perfume of the flowers is sweetest and the songs of the birds most gladsome. We will go down the slope where a beautiful stream begins.

Here is the stream. Note its beginning—timid, helpless, liable to be stopped by every leaf or swallowed up by every bit of dry earth. But we will follow on; it will get larger. See. It already widens, but it is turned out of its course by a projecting rock. Again it finds its natural channel and flows along smoothly as if nothing would ever disturb its quiet but steady progress. It gets constantly wider and stronger.

But a sound breaks on the ear, apparently just ahead of us. Is it a song, or is it a moan of distress? Ah, the stream has reached a rough place in its course, and is flowing over rocks and pebbles. It even falls to a lower level, and dashes against rocks, while it protests in an ominous roar. But it is strong now, and the rocks cannot stop it, for beyond them is peace, quiet, beauty and usefulness. The sun is high up in the skies now, and his scorching rays drive the workers in the fields to the shade on the banks of the stream, and the cattle in the pastures to bathe their tongues and quench their thirst in its cool waters. The flowers turn their sweet faces toward it, and the leaves rustle in the playful breezes above it.

It is a river now, and men and commerce float upon it. Not long, and it has reached its goal, and lost itself in the mighty ocean.

Ah, little stream, great river, boundless ocean; thou hast taught us a lesson. How like human life art thou! So weak and helpless at the beginning, but how bright the morning with the sunshine of love upon thee! The sun never sets for childhood. Clouds may darken the skies, but the sun is there and soon bursts out again. But as the child life widens, jutting rocks of evil, scorching suns of temptation, stones of sin and falls of wickedness may all lie in the path to be traveled.

But like the stream swiftly growing to be a river, we cannot stop. For better or for worse, we must plunge onward. Oh, for strength now to overcome, for earnestness to keep ahead, for industry and willingness to make us useful, for goodness of heart to make us helpful, and for love to make us a kindly benefit to all who live and move and grow about us. And then, when, as the river, great responsibilities rest upon us, may our manhood and our womanhood be great as the creator intended, great in thought and great in word, great in deed and great in achievement, so that when the ocean of eternity be reached, we may in truth be swallowed up in victory, leaving behind us a long line of good deeds and noble actions, so that those who walk along the path we came may gather inspiration as we gather flowers along the path of the stream.

THE UNAPPRECIATED JAY

NOT many poets sing of the Jay, but Louella C. Poole, bewailing the absence of the charming birds that leave us in winter to find summer climes, has this to say of him:

The blue jay is a saucy bird,
But oh, I love to hear,
When skies are bleak with snow and sleet,
His strident voice so queer;
And when I see him darting down
To snatch the crumbs I throw,
It seems as though a bit of sky
Had dropped upon the snow—
A bit of bright blue summer sky,
A sight that brings good cheer,
When Boreas whistles by the door,
And 'tis frozen everywhere.

TEN CORN STATES

THE bulk of the corn crop of the United States is produced in ten States, the crop of last year showing up in these ten States as follows:

	Bushels	Av. per Acre
Illinois	366,395,000	35.9
Iowa	294,210,000	31.5
Missouri	215,028,000	26.4
Nebraska	196,565,000	24.8
Indiana	196,520,000	40.0
Kansas	155,419,000	19.9
Ohio	151,443,000	39.5
Texas	117,107,000	14.2
Kentucky	103,472,000	29.0
Oklahoma	100,555,000	17.0

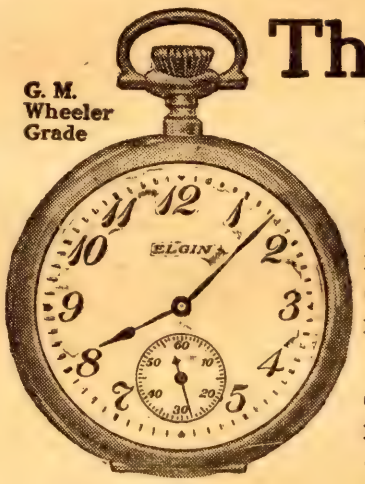
Go After It

The man who simply sets and waits
For good to come along,
Ain't worth the breath that one would take
To tell him he is wrong.

For good ain't flowin' 'round this world
Fur every one to sup;
You've got to put your see-ers on,
An' go an' hunt it up.

—Postal Service Magazine.

The Watch for the Farm



Popular 78 Dial. 17 Jewels. Open Face and Hunting Case.

Elgin accuracy is particularly essential to the man out of town, for often he has not the same convenient facilities for regulating his watch as his town brother.

Elgin watches are standard everywhere because of their never-failing reliability. While all

Elgin

watches are alike in this respect there are various grades—each with some particular feature to commend it.

One Elgin movement which is very popular for its general usefulness and moderate price, is the G. M. WHEELER grade. Adjusted to temperature and three positions. Made in the standard sizes. At jewelers everywhere.

Write us explaining your occupation and particular watch needs. We will then go into the matter fully and will write you describing the special Elgin movement that meets your requirements, and will give you the name of the nearest jeweler handling it.

There is no charge or obligation attached to this service. Write us to-day.

ELGIN NATIONAL WATCH CO., Elgin, Ill.

The Owner of The Glove

"Bobby, can't you give our committee the benefit of a little of your advertising knowledge? We want to make this coming rummage sale the most successfull financially that we have ever held," Gertrude pleaded, gazing wistfully into her companion's face.

The advertising specialist's gaze lingered lovingly upon her.

"We're on the street, Bobby," she murmured the reproach, turning away from him.

Howardson brought himself to with a jerk.

"I could try, Gertrude, if—if the remuneration was—er—sufficient to induce me,' he replied, laughing, yet noting the quick touch of pain his remark occasioned.

"I don't think we could pay you much. Our organization has little in its treasury. The proceeds of our sales, you know, go into the maintenance fund. But we might give you five dollars or so for your help."

Howardson laughed as loudly as street etiquette and Gertrude's feelings would permit.

"Why, you dear girl, I get fifty dollars for just an opinion, and my fees for catalogue work run 'way up in the hundreds. No, five dollars is not enough."

"I thought perhaps you might be inclined to render a little service in charity's name," she retorted coolly.

"Don't be angry," he coaxed, quickly sober. "You know what I want. Oh, girl, girl, when can I convince you that I love you with every breath I take?"

A pretty blush suffused her cheeks.

"We're on the street, Bobby,'" she softly enjoined him.

"I don't care, dearie. My love isn't a bit less on the street than off. Tell me that you will consider seriously my proposal if I make this rummage sale all you wish it to be. I can't stand this suspense any longer. I want an answer either way, but above all I want the answer I do so desire. Promise me, Gertrude, and I'll give this sale of yours my immediate attention."

For a few moments she considered his request in silence, her face pale and anxious.

"I promise, Bobby," she murmured at last.

"Thank you, dear. Try to make it 'yes' if you can. I know I'm not worthy of you but I do want you so much.'

He sat up far into the night upon the details of several schemes, all of which had finally to be discarded because of their inappropriateness to an affair of a charitable organization. Wearied he crawled into bed and there in the dark quiet of the room the inspiration came.

He called upon Gertrude the following afternoon and gave to her in her capacity as chairman of the press committee the details of his scheme. That she was enthusiastic in her reception of it was easily seen.

"You can go right ahead with it, Bobby. I'll fix the committee. You know, we have only two weeks to the opening date of the sale and we can't waste any of it in discussion. I'm sure it will prove a winner."

Howardson's face paled.

"I am risking all I hold dear upon its success," he muttered huskily, "I want it to win."

"Oh, Bob," she cried, a catch in her voice, "I, too want it to win."

That afternoon Howardson had an interview with a charitably inclined friend, a gentleman of exceedingly ample proportions exceeded only by his continual good humor. In features he was far from handsome, but withal genial.

He received Howardson's suggestion with more than his usual good humor, every muscle in his body quiveringly attesting to the enjoyment he was deriving.

Howardson then visited an illustrator of his acquaintance and had him do in charcoal the picture of a dainty glove, in the execution of which the artist wove a spell of suggestive beauty. It was only a picture of a lady's glove, to be sure, but it forced the imagination to conceive of a beautiful girl as its possessor.

Howardson had three engravings of the illustration made and while they were in process of construction he wrote the copy to accompany it.

It was a simple composition, worded, in part, as follows and its appeal was solely to gentlemen:

"With every purchase of fifty cents at the Home of the Friendless Rummage sale, to be held in the afternoon and evening of October 19, 20 and 21, at the Armory, every gentleman will be given a ticket which entitles him to a kiss from the lips of the owner of the above pictured dainty creation. No gentleman holding a ticket will be refused a kiss, and holder of more than one ticket will be given full value."

"If a kiss is not desired, upon mature thought(probably on the part of certain ladies of the gentleman's 'acquaintance') the holder of the ticket still has the biggest fifty cents worth of value in his purchase to compensate him for his disinclination.

"Kisses will be bestowed at nine o'clock in the evening of October 21st, and the doors will be kept open until all obligations have been fulfilled.

"In sweet charity's name, gentlemen!"

Thousands of circulars were printed and distributed and the "copy" was also printed in the city's two leading newspapers, a morning and evening sheet.

When the doors of the Armory were thrown open on the afternoon of October 19th, dozens of young gentlemen and a few of the elderly were awaiting admittance. Sales began briskly and the ladies in charge of the booths were kept busy all of the afternoon. But it was in the evening that the sales became furious. Gentlemen in every walk of life purchased as much as their means permitted, securing with each fifty cent purchase a ticket entitling the holder to one kiss.

Near the door, in a glass case, was a dainty kid glove with one of the circulars pinned to the cushion on which it lay.

At eight o'clock on the second evening of the "rummage sale" the ladies learned to their consternation that the stock was almost depleted. By nine o'clock nothing saleable remained and the doors had to be closed.

All of the next morning the committee scoured the city in search of goods for the afternoon and evening sales. The merchants responded nobly and gave a liberal discount. Many free articles were received and many a good housewife stood red of face over hot stoves and watched candies in the making.

When the Armory doors were thrown open at 2 in the afternoon a goodly stock was arranged temptingly in the booths. But at eight thirty in the evening the last of the stock was snapped up and laughing and flushed gentlemen searched unavailingly for more goods to secure kiss tickets with.

Howardson stood near the center of the room watching the progress of the sales and when it was announced at eight thirty that all stock had been disposed of, he gritted his teeth to keep down the shout of joy which threatened to break through the barrier of his reserve. His heart beat painfully and his hands trembled when he drew out a handkerchief and wiped a hot brow.

A soft hand rested on his shoulder and he turned.

Gertrude stood beside him, flush of face and traces of tears in her eyes.

"It is 'yes,' darling," she whispered so low that only love could hear.

Then, before he could reply, she had disappeared in the crowd.

At a quarter to nine the glove was removed from the case and a restless, murmuring, laughing, shouting crowd of men awaited developments. The floor was crowded almost with men alone, the ladies having gone to the galleries.

At nine o'clock Howardson's fleshy friend, Hodgson by name, mounted the small platform erected in front. An expectant hush fell upon the crowd, eager to catch his announcement.

"Gentlemen," he began, "I need hardly to say how much I thank you for your generous response to my invitation. It is a compliment the appreciation of which I can not adequately express. The sales have been unprecedented, the amount to add to the Home for the Friendless fund will be enormous, by far larger than any contributed by six other of our annual rummage sales combined.

"I, gentlemen, am the owner of this glove," holding it up that all could see; "and when I offered to the committee a kiss to every gentleman purchasing fifty cents worth of goods, I had no idea you would so generously respond. It will require some time, gentlemen, but I will fill all obligations. Come on, gentlemen—but one at a time, please, and don't shove."

A painful hush, then a loud peal of laughter from the galleries brought the stupefied men to their senses and their laughter drowned out the merriment of the ladies.—George F. Wilson in Successful Farming.

Over the Range

He stood beside her while she cooked
And smiled upon him sweetly
No girl, he thought, so pretty looked;
He lost his heart completely.
"I love you, dear!" he hotly cried,
"With you I'd live in clover!"
She said, "It cannot be denied
That something's boiling over!"

"Oh listen, sweet, to me, I pray!"
He said, her soft hand taking!
She turned her face from him away,
And cried, "The sauce I'm making!
There! I've forgotten, I declare,
The pepper—just a dashing—"
He interrupted, "Hear me swear—"
"The spuds," she said, "need mashing!"

"Please, let the pots and kettles go,"
He urged; "for love I'm yearning!
Your answer, sweet, I fain would know!"
She said, "There's something burning!"
"There is!" he cried, "my hear't the part
That feels the flame—don't spurn it!"
"I won't," she said, "It spoils a heart,
And liver, too, to burn it!"
—Henry W. Francis in August Good Housekeeping.

The Sunflower

A farmer was so good and true
And wise in days of old
The people made him king and crowned
His dark-brown locks with gold;
But on his royal throne he pined
To sow and reap once more,
And nod his head in drowsy ease
Beside a cottage door.

He died, and from the dusky mold
That hid his silent clay,
A little stalk of living green
Appeared one summer day.
It grew so fast and tall
In sunshine and in shower,
That soon it lifted to the light
A gorgeous yellow flower.

It tops the humble picket fence,
And shades the lowly sill;
It loves to sow from year to year
Its crop of seeds at will.
Consorting most with straggling weeds,
It blossoms; but behold!
Though fallen from its high estate,
It keeps the crown of gold!
Minna Irving, in Everywhere.

Stock Up with Fresh Soda Crackers

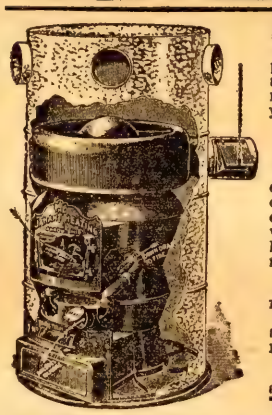
Instead of getting a large package of ***loose*** soda crackers that soon grow stale—stock your pantry with small ***tight*** packages containing

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Fresh soda crackers every time you eat—the last as fresh as the first—because they are placed in moisture proof packages the moment they leave the oven.

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Is the best Heating System made for residences, schools, hotels, churches, etc. It is the most economical furnace too and saves ⅓ to ½ the cost of fuel because the patented "Down-Draft System" burns hard or soft coal, wood or lignite, and burns it ALL without cinders, clinkers or any waste. Needs less attention, yet heats much better than any other furnace, hot air, steam or hot water heating system. Our "Installment Plan" of monthly payments by which you pay

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makes it easy for any one to have the best heating system made.

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Elkhart, - - - - Indiana

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ADDRESS TO THE STATE CONVENTION OF THE MICHIGAN LADIES SOCIETY OF EQUITY, By Elsie Matthews.

The American woman is a famous bargain hunter. We all like to get as much as possible for as little as possible. I hope therefore that you will be interested in the question "How can we make our society worth more, at a less cost?"

I do not think any of us grudge the five cents a month dues, but I do believe that we have perhaps all felt keenly the cost in time. We have felt it especially when we have hurried through part of our work and left another part to hasten to the place of meeting, there to wait a dreary hour before enough others arrive to have a meeting.

The obvious remedy for such a case is: Have a regular time for meeting and meet then. Easily said. But do you practice it in your society? Always? Even in town where all the members live within a few blocks of the meeting place, even on Sunday when the bells are rung to give warning, at every meeting some are tardy. For a society of scattered country people to be always punctual may be possible, but all my experience goes to show that it is highly improbable.

I believe we waste time by having too large an idea of a meeting. I believe the dictionary sustains me when I say that if two persons assemble, they constitute a meeting, and I am in favor of calling two a quorum.

If neither of the two is an officer, let one act as president and the other as secretary, and begin at the hour, or as soon thereafter as the two meet. If president and secretary come later it will be a pleasant change to them to sit in the seat of the common people. Those who come in late may require the proceedings read, and if they deem it necessary or advisable, move to reconsider any question.

I believe that each local should have not only a regular time for opening, but a regular time for closing, and adhere rigidly to that time. The serving of a lunch adds pleasure to the occasion, but I question much if it does not cost more than it is worth. In speaking of cost, I am still referring to time—the time of the hostess consumed in preparing a lunch for an uncertain number of persons, and in clearing the table and washing the dishes afterward, and the time of the guests whose enjoyment of the feast is apt to be spoiled by the thought of the hungry folks at home. And one of the worst features of the lunch proposition is that if one serves a lunch the next feels as if she must. A clever journalist in a budget of recipes gives the following: To entertain men callers: Feed the brutes. The editor perhaps spoke for himself, but for the feminine half of mankind, it ought not to be supposed that a good time necessarily means something to eat.

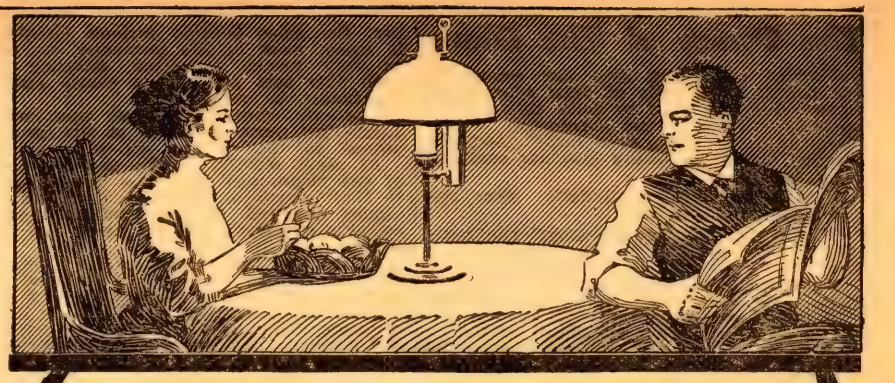
Besides these things, some of our members are carrying extra burdens of responsibility. I recently heard it said of the president of one of the locals that if she were taken out that local might as well be dropped. Now, if it is true that a local depends to that extent on one person, that society is not practicing what our name implies. Our officers receive no salary. It is not fair, then, that they should be obliged to spend their time for the society to the neglect of their private affairs. Why should not the vice-president give the president a rest occasionally? Why not elect an assistant secretary for each society? Do let us try to be more fair in the division of labor.

I come now to the other half of my subject. "How can we make our society worth more?" A society which does nothing but the business necessary to keep itself running is like a machine whose sole use is to keep itself oiled. I do not mean that that is all that our society does, but it does seem, in our branch at least, that we have an astonishing lot of business to do, and I think we pretty near forget the real object of our society, namely the advancement of farmer's wives and daughters by the improvement of their mental, moral, social, and financial condition. Our meetings are to be regarded as schools of advancement and progress. Now, of course it is of value to learn to do society business, but our society is now a couple of years old. We ought to be out of the A B C class. It is a poor school that teaches the same thing to the same people year after year. We should learn something new at each meeting. And if at the end of a meeting no one is better, wiser, or happier, the meeting may well be considered a failure. How then can we make our meetings educational?

In the first place, each member should both give and get. In your reading always have the society in mind, and when you find something beneficial, save it, copy it into a note book, or store it carefully in your mind for the society. But be sure that what you select is worth while—something worth remembering, something that will help us in our work as agriculturists and housekeepers, something that will enable us to better enjoy the world of nature, and lead us to see the beauties that surround us, to understand and appreciate the great minds of all the ages as revealed in the world of books, something to make us better able to meet on equal terms with high and low, rich and poor, educated and ignorant, something that will make us more

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THE far-sighted farmer will say that when temptations arise to let the ready money go for some luxury. The luxury is an *expense*; the good fence is an *investment*—a *producer*. A farmer is losing money fast until he has his farm fenced off into a sufficient number of fields to permit of the proper rotation of crops and the most advantageous pasturing of stock.

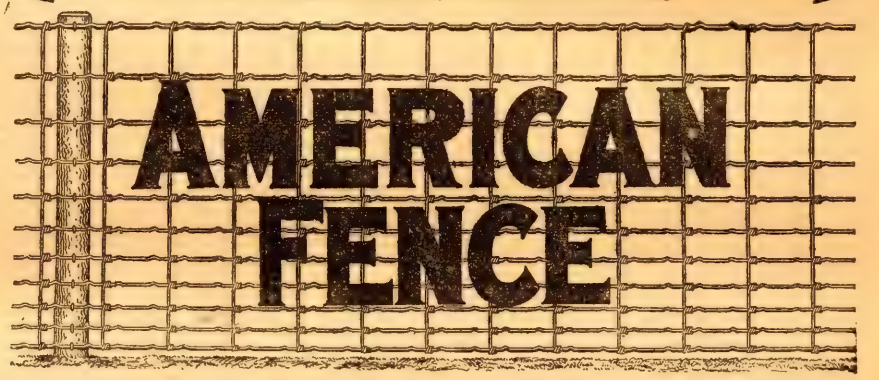
The fields of a farm are like the rooms in a hotel—the more rooms or fields, the more revenue.

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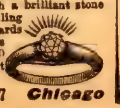
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anxious to serve our fellow man or draw us nearer to God.

Each local might subscribe for a club of periodicals, having one paper or magazine go to each member, (large clubs get large reductions) each member to read thoroughly her own magazine and give to the society the best of each number.

A better plan, and one more commonly followed by women's clubs, is to follow one or more regular courses of study. There are many lines of study which could be profitably carried on by such a society as ours. For instance, bible, literature, science, agriculture, travel, history, sociology, government, politics. I wish I could say something to convince you of the importance of these last lines of study. The Hebrew prophet said two thousand years ago "My people is destroyed for lack of knowledge." It is so in America today. We are destroyed. Don't you see that our lives are made up of hours, and we are forced to spend our hours not in living but in a struggle for existence? Do you know that Benjamin Franklin said a hundred years ago that with the machinery then in existence, four hours labor a day by all the able-bodied should accomplish all the necessary work? The century that has passed since then has been distinguished by far greater triumphs in machinery than any that Franklin knew. Four hours labor a day should now provide us with not only the necessaries but the luxuries of life. Allowing four hours a day for work, ten and a half for sleep and the toilet, and one and a half for meals, we should have eight hours a day free. Have you ever thought what your life would be like if you had eight hours a day free? Time to read and cultivate your mind, time to fill your home with the beautiful things that your fingers are longing to make, time to develop the talent that God gave you, time to seek the society of people of similar tastes, time to travel and see the world, time to be a companion to your husband and children, time to seek the salvation of your soul.

All these things belong to the working class of America, to you and to your children, but through ignorance and indifference we give them up to those who give us nothing in return. It is the profit system which stands between us and that which is our own, and only when the American working class learns how to use its political power can we come into our rightful inheritance. Let us then give all possible aid to the suffrage movement and in the meantime study to learn the right use of the political power which we hope some day to enjoy.

By taking up such work and pushing it with a will we shall put ourselves in the van with the most advanced and progressive women of America, and some of the most brilliant.

All this would, of course, take time, but it is worth it. I talked to you awhile ago about saving the time before the meeting, and time after the meeting. I believe time could also be saved during the meeting. If I should begin to tell you of the things on our program that I think might be left out, I fear I should be treading on toes right and left. I will not venture so far, but I do suggest that we might look carefully through the program and see if there are not some things that might be left out by mutual consent, and others that could be shortened. If you have business to bring before the society, you should as far as possible arrange the details in your mind and be ready to present the motion as clearly as possible, in as few words. If convenient secure your second before hand. The Woman's National Progressive League permits its president to herself propose motions, putting them to vote without a second, and their example might well be followed, especially when the body is small. It is worth while to remember that the rules are for the society and not the society for the rules. Committees should not be required to report when they have nothing to tell, and I think that the business part of the meeting might well be limited to an hour at the most, leaving at least an hour for the program.

A Little Lad's Answer

Our little lad came in one day
With dusty shoes and tired feet;
His playtime had been hard and long,
Out in the summer's noontide heat.
"I'm glad I'm home!" he cried, and hung
His torn straw hat up in the hall,
While in the corner by the door
He put away his bat and ball.

"I wonder why," his auntie said,
"This little lad comes always here,
When there are many other homes
As nice as this and quite as near?"
He stood a moment deep in thought,
Then, with a love-light in his eye,
He pointed where his mother sat,
And said: "She lives here; that is why."

With beaming face the mother heard;
Her mother heart was very glad.
A true, sweet answer he had given,
That thoughtful, loving little lad.
And well I know that hosts of lads
Are just as loving, true and dear;
That they would answer as he did:
"'Tis home, for mother's living here."

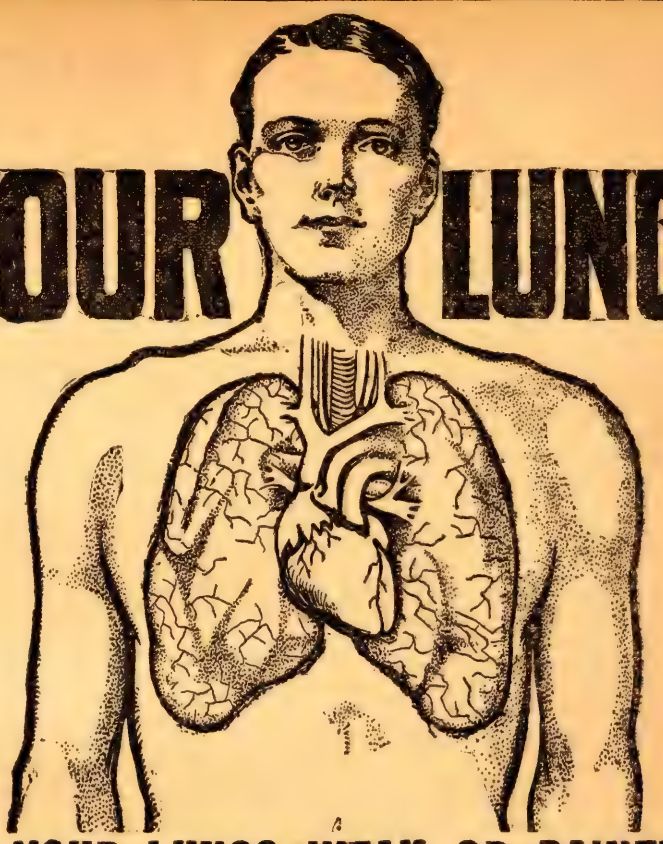
HOW TO FIND OUT

"Papa, isn't a sight a vision?"

"Yes."

"Then they mean the same thing, don't they?"

"Not quite. You called Miss Brown a vision when she came out in her finery. The next time you meet her, call her a sight, and see if you don't learn the difference."



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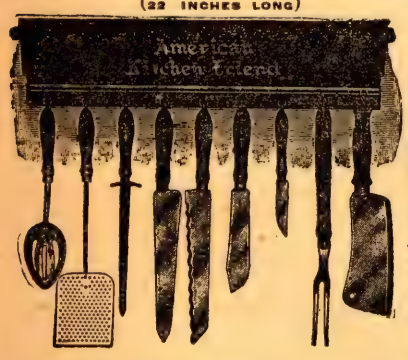
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CADETS *of* EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

We have received so many requests for the addresses of our young writers that we have decided to give their address in connection with their letters. It is not only a pleasure but it may be made decidedly educational for aspiring young people, growing up in different parts of this great country, to communicate with one another. Our Cadets have at least many views in common. They are friends of Equity and fair dealing, and they like to read UP-TO-DATE FARMING. Even these sentiments are enough for lasting friendships to be built upon, and we invite the Cadets to consider themselves one great family, widely separated in their homes, but each knowing much that others would like to know, and that it would be profitable to the others to know. Correspond with one another as you like, and brighten life all you may. We are planning some prize contests for you after awhile.

We begin this time with a second letter from Gertrude. Dancing is a favorite sport with her, but since good people differ as to the propriety of young people engaging in dancing, we omit the part of her letter that refers to the dances she has attended:

Dear Cadets:

Our school will be out in April. We are all studying speeches for the last day. We are going to have a concert. I wish some of the Cadets could come and hear us speak. I have several speeches and am in several dialogues. Our teacher is Miss Clara Ford.

It is pretty weather out here now (Jan. 28), just like summer. I am writing this letter in the dining room with all the windows and doors open. This will sound odd to some of the Cadets living up North.

There is a fine prospect for a good crop this year, and I am certainly glad. Would any of the Cadets of Equity like to exchange post cards? I will answer all that I received.—Gertrude Schneider, Gallinas, Atascosa Co., Texas.

The next letter is also a second one from another Cadet:

Dear Cadets:

We are from Missouri. That was our former home. There is nothing but corn raised over in Missouri. Mr. Rankin, who lives over there, is called the cattle king, because he raises so many cattle and hogs. He has several thousand acres of land, and he puts most of it in corn for his cattle and hogs.

Let me tell you about my pets. One is a little rat dog named Bill. He is a favorite with all of us. Then I have a mule papa gave me, and I call him Jack. Some of you think that is a strange pet for a girl, but it is all right. I think papa took a poor time to commence farming, but by reading UP-TO-DATE and being a Cadet of Equity, I guess we will come out all right, don't you?—Mary Hinsley, Cook, Nebraska.

I certainly do, Mary, and I wish you the most abundant success. Well, well; we now get away over into New England, and have a letter from the old Green Mountain State:

Dear Cadets:

I want to become a Cadet of Equity. I am 11 years old, and go to school a mile. I have gone to school ever since I was five years old, and am in the seventh grade.

Eunice Sweet said she had gone to the Gulf and had seen the ocean. I should like to see it. I live in the central part of Vermont. My father has a farm of over 300 acres, and he keeps some horses, pigs, cows and hens. I have a dog named Watch, and a kitty. My brother has a flock of turkeys. He likes to trap and hunt. Last summer I had a Cosset lamb, and we had lots of fun.

It must be odd to have a garden in December. I have a flower garden in the summer; and I love the pretty flowers. In the winter we coast down the hills. When the rivers are frozen we skate on the ice. Two of us fell in but did not get hurt. At the present time I have a bad cold, and cannot go to school. I have a little sister, Dorothy, two years old. She does not like for me to go to school.

We take many papers, but UP-TO-DATE is the best farm paper, and I like to read the letters.—Leona Trudo, Bridgewater Corners, Ct.

Isn't that a good letter, though, for an eleven year old girl. And would it not be nice for the flower loving Cadets to exchange flower seeds? Think of Texas flowers growing in Vermont, and Vermont flowers growing in Texas. Some would succeed and some would not. And the boys might exchange field seeds. Some important results might be achieved.

Here we go away out West again:

Dear Cadets:

I am a little Idaho girl, 11 years old. I have three sisters and two brothers. I go half a mile to school, and am in the sixth grade. My father takes UP-TO-DATE, and likes it fine. The postal cards we received as premiums were lovely. We raise timothy, wheat, barley and fruit, these being our principal crops. With best wishes to the Cadets.—Esther Larkee, Lenore, Idaho.

We are not very certain about the above name. Names should be written very carefully. Back we go into the northern lake region, and find a new Cadet that sends in a subscription to UP-TO-DATE.

Dear Cadets:

I am a little girl 11 years old. I have to go two miles to school. I like my teacher dandy. I was born on a farm, and am still living on a farm. My papa owns 160 acres of land, and rents 160 acres more. I own a ltle horse named Maude. I have three sisters, Obena, Sophie and Mrs. Orlo Christianson. I have been reading the letters of other Cadets, and I hope this letter will make me a Cadet too.—Theo Olson, Lakefield, Minn.

The girls have held the stage pretty well so far today, but a Wisconsin boy steps in now:

Dear Cadets:

I am a little boy 12 years old. I have been reading the letters of other Cadets, so I wanted to try. I generally go to school in winter so long as it lasts. In summer I do some chores and other things. I live in the country, and I am glad of it, for the farmers are learning to control the marketing, though most of them are dumpers. I have two sisters, and they all read UP-TO-DATE. —Reuben Swenson, Fairchild, Wis.

Yes, Reuben, in many places a number of farmers are still dumpers. Great truths, like great bodies, travel slowly. But UP-TO-DATE is "everlastingly keeping at it."

Let us step over into the Sucker State, and get one of the plainest, best written letters I ever saw:

Dear Cadets:

I want to become a Cadet of Equity. I live in Southern Illinois, Richland county, near the railroad that extends across the State from Cincinnati to St. Louis. We have a variety of soil and products. We raise wheat, oats, rye, corn, timothy and redtop. Thousands of bales of timothy hay and bushels of redtop seed are shipped from our county every year. Cow peas and vegetables of all kinds are raised. We are in the fruit belt, too, and raise apples and peaches, and many small fruits. We are near the oil fields, but I will tell about them in another letter.

I am a school girl, 13 years old. I have not missed a day at school for two years. I love to read books and papers, and enjoy the letters, of which I hope to read many from different States. We all enjoy reading UP-TO-DATE FARMING, and think it is a fine farm paper.—Ruth Musgrove, Claremont, Ill.

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further explanation of that beautiful letter is needed.

A little farther south now into a State thought to be of great modern promise.

Dear Cadets:

I am a little girl 11 years old. I have been reading the Cadet letters, and that made me decide to write one. I have no school but summer school, but I am in the fifth grade. I have two brothers; they both work at public works. I live on a farm, and I like farm life fine. I hope this will make me a Cadet of Equity.—Rufy Harding, Roland, Ark.

Yes, you belong to our Cadet family now, and I hope you will always like farm life. And another little girl knocks for admission to our Cadet family:

Dear Cadets:

I am eleven years old, and have just been reading the Cadet letters, and I want to join them. I go to school every day, and am in the fifth grade. My teacher is Alta Deweny, and I like her fine. My sister works in Lincoln, Neb., and I go to see her quite often. I have two little nephews.—Rosa Mares, Dwight, Neb.

That does very well, Rosa, and you belong to our family now.

Back we go to Pennsylvania.

Dear Cadets:

I am fourteen years old, and I have two sisters, Zoie and Lois. My oldest sister goes to Venango High School, and will graduate in the spring. Our home is in Crawford county, in the northwestern part of the State, and we have had lots of snow and cold weather this winter; plenty of good sleighing.—Floy Shelhamer, Saegerstown, Pa.

We have not been much in the South this time, but now we get down into 10ec.

Dear Cadets:

I am a little boy eleven years old, and am in the fourth grade. My teacher, Mr. Jackson, says I am doing well in my grade. I go two miles to school. My father is a subscriber for UP-TO-DATE FARMING, and we work on the farm. I help plow and hoe the corn. We live in the Volunteer State. Can you guess what State that is? I may write again and tell you more about my State.—S. Hixson, Hixson, Tenn.

Here is another good letter from Arkansas:

Dear Cadets:

I am twelve years of age, and live in Hempstead county. I have been going to school to Mr. Harris. I enjoy reading the letters very much. I think UP-TO-DATE is the finest paper ever printed; don't you all? I certainly will praise it every where I go. I would like to get a letter from some of the Cadets, especially from Eunice Sweet. I will answer all letters I receive, or send post cards in reply.—Opal Price, Westbrook, Ark.

Is this truly our first letter from Kentucky? Well, it is a good one all right.

Dear Cadets:

I have not seen any letters from the grand old state of Kentucky. I am 16 years old, and I live in Owen county. I think there is no other State as grand as "Old Kentucky," for I have always lived in this State. The chief products are tobacco, corn, wheat, oats and hay. In summer we have plenty of vegetables and fruit.

I would like to hear from some one near the Rocky Mountains who would describe the mountains. We have only small hills in this part of the country.

My father has been taking UP-TO-DATE for several years, and he thinks it is the best farm paper. I am always glad when we get it, for I enjoy reading the letters from the Cadets. I was very much interested in the story of the elm trees which Ottie G. Cook wrote about.—Carrie Brock, Jonesville, Ky.

Read another letter from Idaho:

Dear Cadets:

I am a boy ten years of age. I live on a farm, and am a country life booster. I want to be a Cadet. My mother is a subscriber to UP-TO-DATE; we think the paper fine. I am much interested in the Cadet page. I am going to school and am in the fourth grade. We have to go two miles to school; my sister and I ride our pony. I have two sisters, four and eight years of age. In my next letter I will tell you about my pets.—Earl D. Owen, Middleton, Idaho.

A country life booster; and only ten years old! That's the spirit, Earl. We want all of our Cadets to be country life boosters; and then when they are men and women they will make country life what it ought to be. The dumpers will disappear, and the farmers will be the happiest and most prosperous people.

We'll close this time with another letter from Nebraska.

Dear Cadets:

May I join your band? I am 13 years old, and have always lived on a farm. My father and brothers are farmers. I like farm life, and also farm animals. I think, when the farmers all adopt the Equity plan and have control of the markets, many farmers that have gone to the city to live will turn back to the farm. Success to UP-TO-DATE and the Cadets.—Margaret Harrsch, Ruth, Neb.

Now we have in this issue of UP-TO-DATE FARMING fifteen charming letters, written by that many bright, young people, who live in all parts of this grand country. One feature, however, somewhat surprises us; so many more girls write than boys. What is the matter with the boys? Are the girls more enterprising and progressive than they? We are glad to know that the girls are fully imbued with the spirit of Equity and fairness; that their minds are bright and active, and are developing along the noblest lines; that they have push and enterprise and intelligence, even beyond their years. But we do not want to think anything less of the boys. All honor and praise to the girls who write such good letters, and equal honor and praise to the boys who do so; but the boys cannot afford to be left so far behind in point of number.

HE NEEDED A WHALE

The preacher was rather dull and his hearers often got sleepy. After buying a fish for dinner, he met one of his deacons, to whom he showed the fish, remarking that he was using fish for brain food.

"Yes," said the deacon, "that is a nice little fish; but what you need, Elder, is a whale."

HE KNEW THE TREE

"Look yonder, Mother, our switch tree is full of blossoms!"

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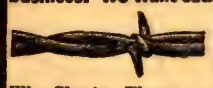
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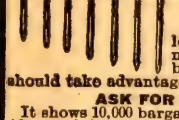
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Cleanses and beautifies the hair. Promotes a luxuriant growth. Never Fails to Restore Gray Hair to its Youthful Color. Cures scalp diseases & hair falling. 50c, and $1.00 at Druggists

INDIGESTION My remedy will cure you just as it has THOUSANDS of others. If you are a sufferer from indigestion or any stomach trouble write for a free sample of FOWLER'S INDIGESTION AND STOMACH POWDER, a totally different remedy, that is harmless, yet wonderfully effective. At all druggists or by mail direct. $1.00 per box, 6 boxes $5.00. Address

Dept U. F., HARRY L. FOWLER
301 E. Houston St., San Antonio, Texas

SEEDS GIVEN AWAY

We are giving away seeds of these 12 Kinds as Free trial Samples to introduce to new customers, to test our seeds, which will produce bushels of Vegetables, Fruits and Flowers worth many dollars.
1 pkg. Radish, Giant Japan, largest in world, 15 to 20 lbs.
1 pkg. Egyptian Wheat Corn, grows like wheat on stilks.
1 pkg. Lettuce, All Summer, good all times. Early or late.
1 pkg. Pop Corn, Baby Golden small, 6 to 8 ears on stalk.
1 pkg. Sweet Corn, North Pole, earliest known.
1 pkg. Tomato Peach, grows rapid, looks like peaches.
1 pkg. Onion, Giant American, largest of all onions.
1 pkg. Chinese Lantern Plant, fruits like Chin. lanterns.
1 pkg. Giant Raspberry-Blackberry, large, grows from
1 pkg. Coffee Berry, a good substitute for coffee. [seed.
1 pkg. Strawberry, Large French, grows from seed.
1 pkg. Sweet Peas, 85 kinds in gorgeous mixture.

These 12 Sample Lots growing in your garden, will be your delight to show and surprise your neighbors, and we will mail all 12 pkgs, in a Coupon Envelope for 6c. postage and packing, and this Coupon Envelope when emptied will be accepted as 10c. payment on anything in our catalog.

1910 Catalog of Seeds, Plants, Fruits, Novelties, with 12 Colored Plates, mailed free with all Sample lots.
MILLS SEED CO. Box 600 WASHINGTON, IOWA.

AGENTS—$33.30 A WEEK



Why not make it? Jack Wood did it! He writes—"Hurry up 100 more—sold first lot in 2 days—best seller I ever saw." **Hundreds of agents coining money**—$5.60 worth of tools for the price of one. Wonderful invention—drop forged from finest steel. Nickel Plated all over. **Astonishing low price to agents**—1,200 ordered by one man. Get our grand confidential proposition quick. Sample free—don't delay—experience not needed—write at once.

THOMAS MFG. CO., 2281 Wayne St., DAYTON, OHIO

AUTOS CONQUER BAD ROADS

The most daring and at the same time the most interesting automobile event in the north this winter was the sending of three Hupmobiles over the road from the Hupp Motor Car Company's factory at Detroit to the Grand Central Palace Show in New York.

The cars left Windsor the night of Dec. 27th, in spite of the deep snow drifts which covered practically every mile of the long journey which lay before them.

Notwithstanding the extreme cold—from 4 to 6 degrees below zero—the snow drifts, the ice, rain and hills, the Hupmobiles made New York on Jan. 6th, none the worse for the accomplishment of the most strenuous task ever laid out for a car of this size.

"Had we been looking for unfavorable conditions, we could not have made a better choice," says John E. Baker, Secretary of the Hupp Motor Car Company, who was one of the party of six to make the trip.

As we have said, the start was made from Windsor the night of Dec. 27th. By morning progress had been made to Blenheim, Ont. After an hour's sleep and breakfast, the run was resumed and Tuesday night saw the three Hupmobiles in the little town of Ingersoll, Ont. Rougher weather was experienced, and it was necessary to literally force the little cars through



PLOWING THEIR WAY

deep drifts of snow. It required an hour and a half to cover the three and one half miles between Thamesford and Ingersoll.

From Ingersoll to Niagara Falls was the run Dec. 29th; and beyond the Falls the real battle with the snow began.

The Hupmobiles literally were forced to make their own road. The snow shovels carried by each car were called into action repeatedly, and where a car dropped through a deep drift into a ditch—as frequently happened—all hands turned to lift and drag it back to the road.

The trip was in no sense a race between the cars. It was wholly a test of the Hupmobiles. Every one of the three cars traveled every foot of the way under its own power. Mechanical troubles were unknown to the hardy crews. Each morning the cars were ready, without tinkering or adjustments, for another day's hard work.

How well the Hupmobiles plugged along is shown by the fact that they made the distance between Auburn and Syracuse in 4 1-2 hours, whereas a 60 horsepower ma-



A STRETCH OF SNOW

chine, the day before, required six hours and twice had to be pulled from snow drifts by horses.

Ordinarily the Hupmobile averages 28 to 30 miles per gallon of gasoline. Comparison of that mileage with the eight to nine miles per gallon throughout this trip affords some idea of the terrible road conditions encountered.

The men who made the run—two to each car—were Secretary Baker, Purchasing Agent Fred Harvey, Treasurer J. R. Drake and Assistant Sales Manager C. H. Dunlap of the Hupp Company, R. W. Keeler, the Hupmobile distributor for Michigan, and Arden Yinkey of Toledo.

THE GIRL THAT IS ALWAYS WELCOME

McCall's Magazine thus describes the girl that is always welcome:

The girl who makes friends everywhere she goes is delightful. She comes into a room like a sea breeze, fresh, laughing, nodding right and left with happy impartiality. She is ready for anything and never throws cold water on your plans. She generally sees the funny side of things and she has such a whole-hearted way of describing them that you feel as if you had seen them yourself. She does not retail gossip, though, and she does not know how to be spiteful, or sarcastic, or bitter, and she never exaggerates to produce an impression. She knows how to be clever and funny without being unkind, or untruthful, or coarse. She likes everybody, not considering it is her duty to suspect anyone of evil until proved good. She prefers to consider the world good and honest until it proves itself otherwise. She always gets along, for she has friends everywhere. Her heart is big enough to contain everybody and she never forgets her friends or is forgotten by them.

Just about the same thing is told in verse, as follows:

The wind was east and the chimney smoked,
And the old brown house seemed dreary,
For nobody smiled and nobody joked,
The young folks grumbled, the old folks croaked,
They had come home chilled and weary.

Then opened the door, and a girl came in;
Oh she was homely—very;
Her nose was pug and her cheek was thin,
There wasn't a dimple from brow to chin,
But her smile was bright and cheery.

She spoke not a word of the cold or damp,
Nor yet of the gloom about her,
But she mended the fire and lighted the lamp,
And she put on the place a different stamp
From that it had without her.

They forgot that the house was a dull old place,
And smoky from base to rafter,
And the gloom departed from every face,
As they felt the charm of her mirthful grace,
And the cheer of her happy laughter.

Oh, give me that girl that will smile and sing,
And make all glad together!
To be plain or fair is a lesser thing,
But a kind, unselfish heart can bring
Good cheer in the darkest weather.

VIOLIN FREE

Many of our readers have the past years had dealings with the Bluine Mfg. Co. They are the pioneers in the premium earning business, and have built a great business on square dealing and honest values. They are now offering our readers a first class violin and outfit for a few hours work. Our young readers musically inclined should look up their ad on another page, or address Bluine Mfg. Co., 535 Mill St., Concord Jct., Mass.

Wear Ruthstein's STEEL SHOES



Absolute Protection Against
Colds, Rheumatism, Stiffness, Discomfort
No More Blistered, Aching Feet
GOOD-BYE to CORNS and BUNIONS!

Patented Dec. 4, 1906. Others Pending.

Off With the Old, Rough, Wrinkled Leathers! On With the Comfortable STEEL SHOES!

FREE—Write for book, "The Sole of Steel," or order a pair of Steel Shoes on blank

There's more good wear in one pair of Steel Shoes than in three to six pairs of the best All-Leather Shoes. And *comfort!* The very first time you slip your feet into Steel Shoes they feel fine. They need no "breaking in." And the longer you wear *Steel Shoes* the better you like them, for they keep your feet warm, dry and comfortable—though you work in mud or slush up to your shoe tops. Steel Shoes are shaped to fit the foot, and the rigid steel bottoms and sides force them to keep their shape. No warping, no twisting, no leaking possible. *And they are as light as any ordinary work shoe.*

HOW OUR 1910 MODEL STEEL SHOES ARE MADE. THE WONDERFUL STEEL BOTTOMS

Steel Shoes solve the problem of the Perfect Work Shoe for all time to come.

The *soles* of Steel Shoes and an inch above the soles are stamped out of a special light, thin, *rust-resisting steel.* One piece of seamless steel from toe to heel. As a further protection from wear, and a means of giving a firm foothold, the bottoms are studded with adjustable steel rivets.

The adjustable steel rivets of the 1910 model Steel Shoes add the finishing touch of perfection. Practically all the wear comes on these steel rivets. When steel rivets wear down you can instantly replace them with new rivets. And the rivets at the tip of toe and ball of foot are the only ones that *wear.* Steel shoes never go to the Repair Shop, for there's nothing to wear but the rivets. And the Steel Soles *shed mud* almost as easily as they *shed water.* The cost is only 30 cents for 50 extra steel rivets. No other repairs are ever needed.

The uppers are made of the very best quality of pliable waterproof leather, and firmly *riveted to soles.* There is greater strength and longer service and more foot comforts in Steel Shoes than in any other working shoes in existence. It's in the *steel* and the pliable *leather,* and the way they are *put together.*

Secret of Steel Shoe Elasticity

Steel Shoes have thick, springy Hair Cushion Insoles, which are easily removable for cleansing and airing. They absorb perspiration and foot odors—absorb the jar and shock when you walk on hard or stony ground. They keep your feet free from callouses, blisters and soreness.

Low Prices on Steel Shoes

Sizes, 5 *to* 12, 6 *inches,* 9 *inches,* 12 *inches and* 16 *inches high.*

Steel Shoes, 6 inches high, $2.50 a pair; better grade of leather, $3.00 a pair; extra grade of leather, black or tan color, $3.50 a pair.

Steel Shoes, 9 inches high, $4 a pair; extra grade of leather, black or tan color, $5 a pair.

Steel Shoes, 12 inches high, $5 a pair; extra grade of leather, black or tan color, $6 a pair.

Steel Shoes, 16 inches high, $6 a pair; extra grade of leather, black or tan color, $7 a pair.

Throw Away Rubber Boots, Felt Boots and "Arctics!"

Rubber or felt boots heat the feet and make them sweaty and tender. Nothing more uncomfortable or more harmful to the feet. One pair of Steel Shoes will outlast at least three pairs of felt or rubber boots.

A man who wears Steel Shoes doesn't have to own three different styles of working shoes. No arctics or felt boots necessary.

Steel Shoes Save Doctor Bills

Wear Steel Shoes and you need not suffer from Colds, Rheumatism, Neuralgia, Lumbago, Stiffness of the Joints and other troubles and discomforts caused by cold, wet feet. Keep your feet always warm, dry and comfortable in Steel Shoes. They protect your health and save doctor bills, while adding to your comfort.

One Pair Will Outwear 3 to 6 Pairs of Leather Shoes

The comfort of Steel Shoes is remarkable. Their economy is simply astounding! Practically all the wear comes on the rivets in the *bottoms,* and the rivets can be replaced very easily. Don't sweat your feet in rubber boots or torture them in rough, hard, twisted, shapeless leather shoes. Order a pair of Steel Shoes today. Sizes, 5 to 12.

ORDER STEEL SHOES TODAY!

We strongly recommend the 6-inch high, at $3.50 a pair, or 9 inches, at $5, as they give best satisfaction for general service.

In ordering, *state size shoe you wear.* Enclose $3.50 a pair for 6-inch high, and the best and most comfortable working shoes you ever wore will promptly be shipped to you. Your money refunded if Steel Shoes are not exactly as represented when you see them. Send today!

"SCIENTIFIC SHOES"

BEST AND EASIEST FITTING LEATHER SHOE EVER MADE



FREE Our Book—Shoe Science

I invented the famous Steel Shoes and have now brought out another kind of shoe that *excels any leather shoe in existence.* "Scientific Shoes" are my latest triumph. Made of a wonderful Processed Leather. Stronger, more durable and comfortable than any other fine shoes in the world. These shoes actually *Cure Corns, Bunions and Foot Troubles!* Nothing else like them! Made on a *Scientific,* Natural Last. So easy on the feet that they make foot troubles impossible! High class, stylish. Make rubbers entirely unnecessary. Sizes 5 to 12. Price $5 a pair. Extra fine leather, with or without Tread-Easy Cushion Soles, $5 per pair.

STEEL SHOE CO., Dept. 389, Racine, Wis.
Canadian Branch: Toronto, Canada.

SHOE ORDER BLANK

Steel Shoe Co., Dept. 389, *Racine, Wis.*

Gentlemen: I enclose ..... for $.....

in payment for ..... pair *Steel Shoes.*

..... pair *Scientific Shoes.*

Size .....

Name .....

Town ..... State .....

County ..... R. F. D.....

Dealer's Name .....



Free To Women

Mrs. Cora B. Miller is Spending A Fortune In Giving Medical Treatment Absolutely Free to Suffering Women.

A 50c Package Will Be Sent Free To Every Woman Who Is Ailing.

THOUSANDS OF WOMEN BLESS HER NAME

Grateful Letters From All Over the World Tell of Wonderful Results With Mrs. Miller's Mild Home Treatment

Many thousand women have already accepted Mrs. Miller's generous offer to give free to every sufferer a regular treatment of her mild home remedy. From every civilized country come thousands of kind, grateful letters from ladies whose hearts overflow with gratitude because this pleasant vegetable remedy has restored them to old-time health and strength.

Mrs. Francis M. Harris of Dover, La., writes: "I feel like a new woman and can do my work without having that old, tired feeling. I am happy to know that I am well again."

"It has relieved me of my constant suffering and I have not words to express my gladness. It was surely a Godsend to me, and I thank Him that there is such a wonderful medicine on earth for suffering women."—Mrs. Carrie Bailey, Pickneyville, Ala.

Mrs. Miller asks no one to take her word, but only wants to prove it to any sufferer. Mail the coupon if you are a sufferer from any female complaint to Mrs. Cora B. Miller, Kokomo, Ind. Prove for yourself at Mrs. Miller's expense what this marvelous remedy may do for you. Do not delay; send the coupon now.

THERE IS SOME ONE NEAR YOU CURED BY MRS. MILLER

There is hardly a country, city, town or village in which there does not reside some grateful lady who has been relieved after years of suffering by Mrs. Miller's mild home treatment, even after doctors and physicians failed. No matter where you live, she can refer you to ladies in your own locality who can and will tell any sufferer that this marvelous remedy really has relieved or cured women.

Only bear this in mind. Her offer will not last long, for thousands and thousands of women who are suffering will take advantage of this generous means of getting the free treatment. So if you are ailing, do not wait another day, but send the free coupon to Mrs. Miller today.

ROOM FOR ONLY THE WELL

In this day and age of the world there is no room for the woman who can't take her part in society, the home, school, church or business. If you are dragging out a miserable, feeble, ailing, good-for-nothing existence, you feel that you might as well be dead and done for.

And so you well might in days gone by. Then troubles such as yours meant a living death or the knife, but was often worse than death; but now, thanks to the generosity of Mrs. Miller, of Kokomo, the simple home treatment which has relieved so many thousands of ladies in the privacy of their own home is yours for the asking. It's yours to accept or reject. Don't say your case is hopeless. Go on and suffer or try to cure yourself. Many of the cases reported have been given up to die or the knife. Mrs. Miller's treatment benefited them. Can you doubt what it may do for you?

Send No Money, Just Your Name and Address, If You Are A Sufferer From Any Women's Disease or Piles

In the past few years Mrs. Miller has spent thousands of dollars in sending medicine to afflicted women.

Several years ago Mrs. Miller learned of a mild and simple preparation that cured herself and several friends of female weakness and piles. She was besieged by so many women needing treatment that she decided to furnish it to those who might call for it. She started with only a few dollars capital, and the remedy, possessing true and wonderful merit, produced wonderful results where doctors and other remedies failed. The demand grew so rapidly she was several times compelled to seek larger quarters. She now occupies one of the city's largest office buildings, and almost one hundred lady clerks and strenographers are required to assist in this great business.

Some time ago it was announced that she would give to women who suffered from female diseases another $10,000.00 worth of her medicine. She has fulfilled this promise, but as she is still receiving requests from thousands upon thousands of women from all parts of the world, who have not yet used her remedy, she has decided to continue to give away the medicine to those who are suffering and unable to find relief.

Mrs. Miller's wonderful remedy is especially prepared for the treatment of leucorrhea or whitish discharges, ulceration, displacements or falling of the womb, profuse, scanty or painful periods, uterine or ovarian tumors or growths; also pains in the head, back and bowels, bearing down feelings, nervousness, creeping feeling up the spine, melancholy, desire to cry, hot flashes, weariness and piles from any cause or no matter of how long standing.

Every woman sufferer, unable to find relief, who will write Mrs. Miller now, without delay, will receive by mail free of charge, a 50-cent box of her simple home remedy, also her book with explanatory illustrations showing why women suffer and how they can treat themselves at home without the aid of a physician.

Let me try to relieve you of those tormenting and severe pains. The coupon below, dear, may bring you relief. Send it today.



Don't Close Your Eyes, Ears and Mouth. Mrs. Miller Wants to Relieve You of Your Suffering. Fill Out The Coupon and Send Today.

How to Treat Any Case of Piles

I want to tell you flatly and plainly that any woman, or man either, for that matter, who suffers from any form of piles, may place their faith in my treatment and I believe they will not be disappointed. It's intended for piles as well as the diseases peculiar to women. It assists in healing diseased membrane surfaces, no matter where located, and I verily believe that this remedy has cured more bad cases of piles of all kinds than all the so-called "pile cures" and doctors in the country. My remedy acts speedily. It's safe and it's lasting. The purpose is to relieve the intense torture, the burning, smarting and itching is relieved and you should feel better right from the start. Send for my free treatment at once and see for yourself.

WHY MEN DESERT THEIR WIVES

A Large Per Cent of the Wife Desertions and Divorces Due to Female Weakness.

I should have taken better care of myself, I suppose. I was sick and suffering. No one but a woman can ever know how I suffered. I was irritable. I couldn't be to my husband the wife that I ought to have been. He, being a man, couldn't understand. We drifted apart. He sought his pleasures elsewhere. Finally there was nothing but the divorce court that could settle our differences.

That's the sad story that eight out of every ten women who have passed through the ordeal of the divorce court, as well as the countless thousands of deserted wives who are not divorced, know deep down in her heart was the real cause of her trouble.

A sick wife, a neglected home, and the publicity and disgrace of the court room to end it all. There wouldn't be half as much talk of the divorce evil in the world if only every wife and mother would realize her duty to preserve her health and strength.

No woman has the right to expect her husband to devote his leisure hours to his home and her when she is leading a dragged-out, hopeless, down-in-the-mouth existence that would discourage the greatest optimist on earth.

Mrs. Cora B. Miller's marvelous home remedy has done as much to prevent divorce as all the messages to congress and conventions in the world. The woman who is bright and cheerful and well has a home that reflects her own good feeling and discontent finds no place therein.

Mrs. Miller's aid and advice is as free to you as God's sunshine or the air you breathe. She wants to show to you that her commonsense home treatment may relieve you just as surely as it cured her years ago in her humble cottage.

If you are a sufferer from any female trouble, no matter what it is, send the coupon below to Mrs. Cora B. Miller at once.

PUT YOUR FAITH IN MRS. MILLER

My word that my home treatment should relieve you of female disease or piles doesn't necessarily mean anything. But when my word and medicine is backed up by thousands of ladies, that's evidence you cannot doubt. There is hardly a county or small village in the land that does not contain some poor sufferer that was relieved. I didn't force them to use my medicine. They took it of their own free will and it benefited them. You should have faith in that sort of a remedy every time. Just cut out the coupon, send it today and prove what this marvelous treatment will do for you.

THIS NOTED DIVINE SAYS:

"I am personally acquainted with Mrs. Cora B. Miller. I most cheerfully and voluntarily testify that myself and family have been greatly benefited by the use of Mrs. Miller's home remedies and heartily recommend them to the general public."—Rev. R. G. Roscamp, 30 Terrace Avel, Newcastle, Pa.

Do not delay. Send the coupon today.

Free Treatment Coupon

Sign your name below, and mail to Mrs. Cora B. Miller, 7605 Miller Bldg., Kokomo, Ind., and you will receive a full sized regular 50-cent package of Mrs. Miller's Mild Home Treatment in plain package at once.

Name .....

City .....

State .....

enough for some crops now, do they not owe it to their friends, the consumers, to remedy this anomalous condition, make the route to the consumer straighter, less tortuous and less expensive, if they can?

—o—

They can. But they can only do it by a system of broad cooperation—the adopting of modern commercial methods on the business side of agriculture. Agriculture is a great industry and whatever is undertaken for the general good must be on a large scale. At present the towns and cities dominate the country and the machinery of distribution is owned and operated by the business men of the towns and cities and is directed by them for their own interests.

—o—

If we admit this then our claim that farmers can remedy the anomalous conditions will hardly admit of argument. That is, if it is conceded that there is a machine of distribution and that it is owned and operated by the business men of towns and cities, **and is directed** by them. And will not every reader admit this?

—o—

Assuming that it is admitted, that the distribution of farm crops is not by **chance,** or directed by **providence,** but that there is a machine or system of distribution **owned, operated** and directed by business men of the towns and cities then what would happen if the producers of farm crops would conclude to not feed their crops into that machine? or would conclude that they would use only a part of the machine, and on terms dictated by themselves? And if they were in an organized condition so that all the farmers, or many of them, producing the same crop, could cooperate and back each other up, would it not be exactly as the farmers wanted it?

—o—

What would the city and town made machine be worth if it got no material to work on, as it would not if the producers chose to have their own machine? But it is not our intention to recommend that farmers should themselves undertake the distribution of their produce through agencies of their own. Even if they wanted to do that, and if they could do it successfully, they could not cut out **all** the expense. But our mind is set on **reforming** the present machine of distribution and make it do Justice to both producer and consumer.

—o—

And don't say that farmers can't do this. We care not how much money the exploiting middle class has, nor how perfect its organization; the farmers have, first, everything on which it depends for existence. Without the farmers grain, live stock, cotton, fruit, vegetables, etc., its millions of dollars, and hundreds of thousands of men and horses and wagons, and tens of thousands of stores and offices would be dead weight on its hands. The farmers hold the key to the situation, therefore they can dictate terms.

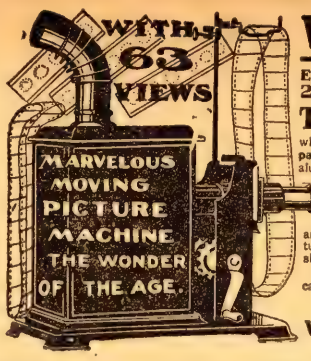
—o—

In view of this fact, and we are teaching it to all the farmers, there will not be any more backwardness on the part of American farmers to organize. Every consideration points to organization by farmers. The population of the towns and cities is crying for relief from high prices. The only people who can quickly afford the relife are the farmers. Not that they need to forego one dollar that they are now receiving, but **they** can see that that 68 per cent. of toll taken by middlemen is cut down to possibly 25 or 30 per cent. Wouldn't a cut of 38 per cent. help? If farmers can afford to produce the crops at 32 per cent. of the retail price don't you think another set of people can afford to pass them to the consumers for 30 per cent. of the present prices? We believe it can be done. And farmers should put themselves in a position to compel whatever reform is needed if the middlemen continue to treat the two great classes on either side of them, unfairly.

Thus we are brought to the kind of organization. It is the kind that this paper has taught for more than seven years and which is now being accomplished by the Farmers Society of Equity. We will pass over this part rapidly, because, we assume, that most of our readers understand the workings of the Society, besides it is too great a subject to give complete within the scope of this article and the further fact that there is a volume "Farmers Industrial Freedom" that explains it fully.

—o—

Farmers must follow the almost universal rule of modern business; they must organize. Considering the great number of farmers and the great extent of their business territory, they must organize in local unions and these local bodies must all be bound together, and be advised by one or more central bodies. With farmers these



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GABEL'S FORCEPS BEAT THE WORLD

Write for our 30 day free trial offer. Agents wanted.
GABEL MFG. CO., HAWKEYE, IA

Tell them you saw the "ad." in Up-to-Date Farming

If You Have
Cattle, Hogs or Sheep to Market
Or Are Thinking of Buying Feeders—

Remember, that upon your choice of a commission firm may largely depend your profits. Any banker, and any live-stock shipper for whom we have ever done business, will tell you that

Clay, Robinson & Co. Are "O.K."

We invite your consignments, whether large or small. Whether you are a feeder who ships only an occasional carload, or a regular shipper, you may rest assured of first-class service and highest market value.

Our feeder-buying service is unexcelled. Send us your orders for anything you want in the line of feeding cattle or sheep, and save money and worry.

Reliable market information and advice cheerfully furnished. Write us at whatever market you intend shipping to.

Clay, Robinson & Co.

Live Stock Commission

Chicago	South St. Paul	Sioux City
South Omaha	South St. Joseph	Kansas City
Denver	East Buffalo	East St. Louis

AGENTS $50 TO $100 A WEEK HURRY! IT'S GREAT

SENSATIONAL OPPORTUNITY FOR MAKING MONEY--MEN AND WOMEN



Every home needs—wants—must have it. Women buy eagerly. Agents excited. Orders comign thick and fast. Brand new. Field untouched. Nothing ever like it before.

FREE SAMPLE TO AGENTS *Never such a seller.* Never such a wonderful invention. Be quick—don't wait—experience unnecessary. Just listen! One woman made $24 *first half day. W. H. Morgan, Pa.*: "*Sold 45 Cleaners in 25 hours. Have sold 2 out* of 3 persons canvassed." Marvelous results reported from every state. Read on about this great modern household invention. Millions have wanted—needed —for years. Only enjoyed by rich. But here at last for rich and poor. *New Home Vacuum Cleaner*—Blessing to all. *Rushing, whirling, sucking air draws dirt, dust, germs from carpets, rugs, mattings,* while they remain on floor. Strange—bewildering—phenomenal. No electricity—no motors—no power. Operated in any home by child or frail woman. Weighs 8 lbs. Different from anything ever seen. Purifies atmosphere—wards off disease—stops doctor bills. Sucks dirt from *carpets, rugs, mattings—from crevices, beneath radiators, furniture, behind doors, closets, etc.* Sold on demonstration. Women can't resist. Shown in three minutes. Sold in five. Then on to the next. Women praising, make sales easy. Saves drudgery, *cleaning, dusting.* Saves taking up carpets—saves time and money. No more brooms, brushes, dust cloths. No more backache. Never such a money maker—never such a blessing to women. Never such a chance to make money easy—quick. Big profit on every sale. But you must hurry.

READ HOW THE MONEY ROLLS IN

Agencies going. Everybody on the jump. C. E. Goff, Mo.: "*Sold 5 Vacuum Cleaners last Saturday,*—my first attempt." Gustave Anderson, Minn.: "Enclosed find order for 12 Vacuum Cleaners. Ship prompt. *One man sold a dozen 3 days.*" F. I. Pierce, N. Y.: "Wife more than pleased with Vacuum Cleaner. It does all and more than you claim for it." Prof. Geo. S. McDowell, Pa.: "*Took 8 1-2 ounces fine dirt from carpet 10x13 feet.*" L. Banville, Ohio.: "The New Home Cleaner greatest ever. Have arranged for demonstrations in stores." And so it goes—all eager, all easy. 'Its great." So hurry. You can't fail. Get busy now. Grand invention—great seller." (*Hurrah! Join the* money makers.) Get this money. Don't be satisfied with small wages. Don't just exist. *How splendid to always have money in abundance. Break away!* Send today. Don't write a letter—just a card. Only write—that's all. Begin now to make money. Frank Williams, Nebr.: 'Home Vacuum Cleaner a dandy; *works to perfection.*—without raising dust."

DON'T WORK FOR WAGES Gain freedom from drudgery, long hours, bossism, job hunting. We want more agents, Salesmen, Managers —Men and women, at home or traveling, all or spare time to fill orders, appoint, supply, control sub-agents. You can't make a mistake. Listen! John Logan gave up $12 job driving team, now makes $50 weekly. Writes "Sold 15 cleaners today. Success is sure." That's the way they all read—So hurry and write. SEND NO MONEY—Just your name on a card. We'll send full instructions and offer good territory. We'll help: we'll start you making money. *Write.* R. ARMSTRONG MANUFACTURING CO., 652 ALMS BUILDING, CINCINNATI, OHIO



NEW STEEL ROOFING $1.60 PER 100 SQ. FEET

Most Durable and Economical Known Easy to put on, requires no tools but a hatchet or a hammer. With ordinary care will outlast any other kind. Thousands of satisfied customers everywhere have proven its virtues. Suitable for covering any building. Also best for ceiling and siding. **FIRE-PROOF AND LIGHTNING PROOF.** Cheaper and more lasting than shingles. Will not taint rain water. Keeps your building cooler in summer and warmer in winter. Absolutely perfect. Brand new. **$1.60** is our price for our No. 10 grade of Flat Semi-Hardened Steel Roofing and Siding, each sheet 24 in. wide and 6 or 8 ft. long. Our price on the Corrugated, like illustration, sheets 22 in. wide and 6 or 8 ft. long, **$1.85.** Steel Pressed Brick Siding. **PER SQUARE, $1.65.** Fine Steel Beaded Ceiling, **PER SQUARE, $1.85.** Also furnish Standing Seam and "V" Crimped Roofing. At these prices **WE PAY THE FREIGHT** to all points east of Colorado except Okla., Tex., and Ind. Ter. Quotations to other points on application. **SATISFACTION GUARANTEED OR MONEY REFUNDED.** We ship this roofing to anyone answering this Ad., C. O. D. with privilege of examination if you send us 25 per cent of the amount of your order in cash; balance to be paid after material reaches your station. If not found as represented, we will cheerfully refund your deposit. **ASK FOR CATALOG No. K.F. 204** Lowest prices on Roofing, Wire, Pipe, Plumbing, Doors, Household Goods, etc.

Chicago House Wrecking Co., 35th & Iron Sts., Chicago

combinations must be different from the usual city or town combine in the fact that they are not to make profits; except the profits on members crops, and will not declare any dividends.

—o—

By eliminating the dividend paying feature the rock that has wrecked so many farm corporations in the past will not be a menace. Also, by confining the benefits to members, all the farmers in a community can easily see that it is to their interest to join the society.

—o—

The first and chief object of the Farmers Society of Equity is to secure profitable prices for all of the products of the farm, orchard and garden.

—o—

Another object, and the one that makes the accomplishment of the first one possible is as follows:

To build, or acquire and maintain on the farms, at shipping points and in principal market cities, granaries, elevators, warehouses, cold storage houses etc., so that farm produce may be stored and controlled until the real demand needs it.

A great many local unions of the Farmers Society of Equity organized corporations on the side to do these things. But it is submitted that it may in all cases, be better to incorporate the local union with a capital stock sufficient to own the necessary utilities, but not to buy produce.

The Society acts only in the capacity of directing the marketing of crops and the crops belong to the original producers until sold. Soon after any local union begins to do business the capital paid in by the members can be paid back from a fund raised by a little margin put on the price to meet expenses of selling and which the buyer must pay.

—o—

By incorporating the local union it becomes, at once, a body qualified to do any business that may come before it for the interest of its members, and not the least of these will be buying and selling from and to other local unions of the F. S. E. in near, or distant parts of the country.

—o—

While it is a principle of the Farmers Society of Equity that farmers should look to the prices they sell their crops at for their profits, there is nothing in its laws to prohibit buying co-operatively at as low prices as possible. Also it does not attempt to define closely the extent of co-operative efforts although the chief one is to sell crops cooperatively. Any local unions efforts may take in, besides those already mentioned, cooperative creameries, cheese factories, canneries, etc.

—o—

And always remember that none of these things are obligatory on a local union. A plain local union will be of inestimable benefit in any community even when each farmer controls his own produce on the farm and sells when the minimum price is paid. The point we want to make, however, is that, if farmers are going to force needed reforms in the method of distribution of farm crops and see that the tolls are very greatly reduced, they must be so well organized locally and nationally, with facilities to control th supplies, that they can do whatever becomes necessary.

—o—

There are now a great many independent, local organizations, (not federated in a national body). These usually secure benefits for their members, but it is evident that they compete with each other for the markets, often resulting in gluts, as when each producer marketed independently. That plan will never be wholly satisfactory. Also by that plan the needed reform in the middlemen system cannot possibly be forced.

—o—

The *EQUITY SYSTEM* is eminently suited for all such associations, and we hope the time will soon come when all of them will become federated through the Farmers Society of Equity. Such a step would multiply the beenfits to all the members and make a national power that would compel the great corporations and combines to serve the people in Equity, as any people or class operating between two larger classes, shoudl.

—o—

We hope the quoations from Ex-President Roosevelts letter and our argument has made it clear that there is a great problem waiting solution, and that the farmers are the only people who can solve it. Also that we have thrown a few rays of light athwart a dark sky. But evrry person who has read this far, and feels an interest in the greatest problem of the day should send the below coupon for a copy of the new book, "Farmers Industrial Freedom."

— — — — —COUPON— — — — —

Farmers Industrial Freedom

Farmers Society of Equity,
Indianapolis, Ind.

Enclosed is 10 cents for which send me the new 64 page book *FARMERS INDUSTRIAL FREEDOM* which explains fully the EQUITY SYSTEM for farmers co-operation, how it will be established, how it will be operated and the benefit to be derived.

My Name .....

My Address .....

—o—

The *EQUITY SYSTEM* is receiving the endorsement, as fast as it is understood, of the leading agriculturists of the country. Following is an example:

Mr. J. A. Everitt, Indianapolis, Ind.

My Dear Sir:

"Your plan of cooperation in marketing is a good one and should receive the cooperation and encouragement of all farmers and growers on its presentation. The Equity System of marketing should be endorsed by every one interested in the agricultural classes in our country."—Ed R. Kone, Commissioner of Agriculture, Austin, Tex.

ALFALFA LANDS

IN MISSISSIPPI ARE THE GREATEST MONEY MAKING LANDS IN THE U. S. TODAY

It has recently been found that the best and most prolific crops of Alfalfa will grow without inoculation, fertilization or irrigation in what is known as the Black Prairie District of North-east Mississippi. These lands can now be bought at a price that insures their doubling in value in a year. Good Alfalfa land like this sells for $250 to $300 per acre in many sections. But this sum will buy many acres now in Mississippi.

GREATEST CROP GROWN

Alfalfa is the greatest crop grown by farmers. If Alfalfa grows it means the land will produce big crops of corn, hogs, cattle, poultry, potatoes, garden truck, fruit, etc. And our Mississippi lands can't be beat.

PAY FOR THE LAND AS IT PAYS YOU

Any man can move onto this land and pay for it in two years out of the Alfalfa be grows and live well besides. Only a reasonable first payment required. We want to prove to you that this is so. We know it is —send for the proof.

Black Prairie lands will produce from one and a half to two tons of Alfalfa the first year. Succeeding years produce four to six tons per acre. There is a steady market that has never been over supplied at $18.00 to $22.00 per ton f. o. b. cars at our station.

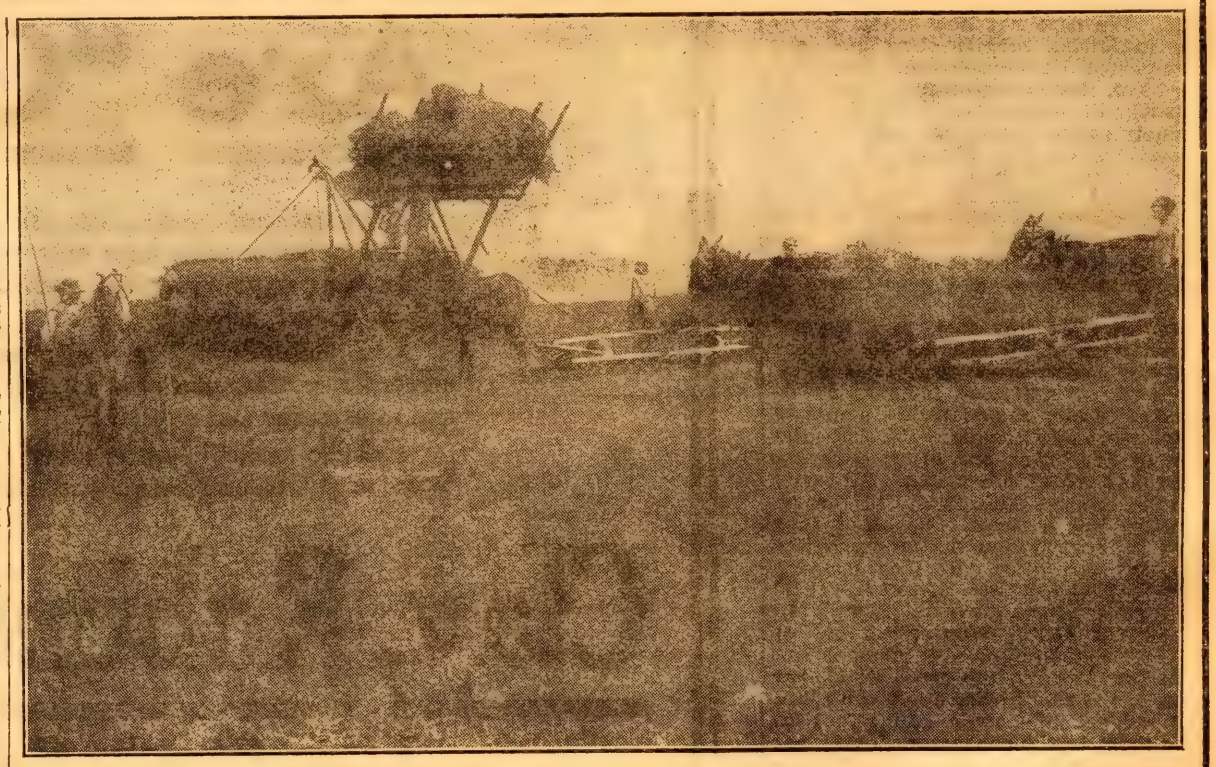
READY FOR PLOW AND SEED

These lands are now all under cultivation—not worn out, as it seems impossible to exhaust their fertility. But the day you go onto the land you can begin to plant. No clearing—all is ready for the plow and seed.

The climate here is far superior to the North. Violets cover the woods in December. Roses in March. No oppressive heat. No cold winters. An ideal place for a home and to make money.

LAND NEAR TOWN

This is not a new country. All lands close to town on Railroad. Churchs, schools, banks, stores, neighbors, markets—all are waiting for you. Those who will not go to a new country because of the pioneer hardships will find here all the comforts and an unequalled opportunity for making money while enjoying life.



ALFALFA FIELD NEAR OKOLONA, MISS., ON OUR LANDS
Photo taken April 25, 1909.

SEND FOR FREE BOOKLET

We have booklets that explain fully. We want to send you full information and name our low prices on this great North-east Mississippi prairie land. Nothing else in the U. S. can beat it that we know of and we have examined all sections. Send today.

Mississippi Black Prairie Land Co.
Indianapolis, Ind.

We have before us the prospectus of The Producers and Consumers Exchange, of Brunswick, Me., organizd Nov. 4, 1909. From its Declaration of Purposes, we take the following:

"We propose to buy and sell together—to buy direct from the mills and factories all our supplies and from the Western farmers all our grain. We propose to sell all our surplus farm products direct to the consumer, as far as possible, our members to get the retail price with only the cost of selling taken out.'

—o—

But the question arises, how can those Maine farmers buy direct from the Western grain farmers unless both of them are in the same association? Also, how are they going to sell direct to the consumers in Boston, New York or other large cities, where their surplus must go, if they have much of it? One such organization can accomplish very little; *a thousand federated* would be a national power to benefit farmers and correct present evils.

—o—

As we were writing this a communication reached us that shows very plainly the need of a strong national organization of farmers to protect their interests. It is as follows:

Washington, D. C., Feb. 19, 1910.
Mr. J. A. Everitt,
My Dear Sir:—

"The agitation against the present so-called high prices of food products has resulted in bills being introduced in congress to remove all tariffs from farm products and allow the same to be imported from every country free of duty. I am opposing any such action and contending that the farmers are not receiving excessive prices for the things which they produce, and that even with the present higher prices, when we consider the amount of labor expended in producing them, they are cheaper than most commercial products.

"I have given my reasons for this opposition in an address before the senate, copy of which I enclose you. I feel that the matter is one of deep concern to your and all other agricultural states, and one in which we should all interest ourselves. I shall, therefore, be pleased to have you read the address and write me any suggestions you think proper in relation to that subject."—P. J. McCumber, (Senator from North Dakota).

—o—

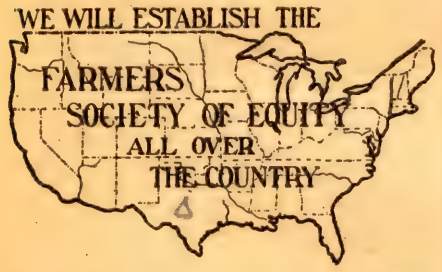
Think of any effort being made in congress to relieve the distress caused by the high prices of the necessaries of life through taking from the 32 per cent. the farmer receives and leave the middlemen, who are oftentimes rank exploiters in the enjoyment of their 68 per cent! If such examples do not spur farmers to action then they ought to be left to their fate with the exploiters on their backs forever.

—o—

Removing the tariff would be certain to lower the price when the farmer sells, on most of his crops, but we doubt if it would make an appreciable showing on the prices the consumers paid. Besides, there are enough other countries where surplus crops are needed, and where oftentimes millions are near starvation, that the United States need not be made the dumping grounds for them.

ORGANIZERS WANTED

Persons of either sex are invited to send for our **terms to organize local unions of the Farmers Society of Equity.** They are for all members of the farm family and for every farm



endeavor. Just say: "I want free and full particulars to organizers of the F. S. E., duties, qualifications and compensation" and address as follows: **FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.; or use this coupon:**

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the Farmers Society of Equity, at .....

..... State ..... which is my shipping station. Also instructions how to build and own our local union meeting house, cold storage house, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be received from this course.

NAME .....

ADDRESS .....

WAKE UP THE MIGHTY MEN

The Farmers Society of Equity wants one or more men—leaders of men—to travel all through the central, and West and North-west grain and stock growing states to start the fires of organization in logical centres so that our object of **a local union at every shipping town** may be accomplished. Also the same for the Northern and North-eastern group of states that produce the heavy crops of potatoes and fruit; also others to cover the Atlantic and gulf coast trucking districts to federate the many local associations into the national Farmers Society of Equity, and organize other local unions; also men to lead the movement in the cotton belt, and on the Pacific Coast. Also we want more organizers in the tobacco districts.

"Stir up the mighty men!" Let them come forward and fight in the peaceful revolution to overthrow iniquity and inequity and establish Equity and Fair Dealing all over the country. Men of ability, men of large capacity, men who have done things and who are aflame with the desire to do greater things are the kind of men this movement needs. Such may well forsake their present vocations and engage in the great moral and economic revolution that is facing humanity today.

American Well Works, Aurora, Ill., are recognized leaders of the world in furnishing deep well pumps. One-half more water is furnished by the pump which they put out than by any would-be competitor. Our readers in either village or on farm need to have the purest water from beneath the solid rock which will insure that it is free from any of the surface contamination. Parties interested should write for catalogue No. 110.

MOVING PICTURES







OF THE WONDERFUL WORLD CHAMPION

DAN PATCH 1:55

ABSOLUTELY **FREE** POSTAGE PAID







THIS IS THE LATEST HORSE SENSATION AND GREATEST TRIUMPH IN THE MARVELOUS AND REALISTIC MOVING PICTURE ART.

It is a **New Invention** that you can carry in your pocket and show your friends instantly, day or night, either once or a hundred times and without a machine, curtain or light. It is the first successful moving picture ever taken of a World Champion Horse in his wonderful burst of speed. A marvelous race sensation.

A MILE OF THRILLING RACE PICTURES
2400 MOVING RACE PICTURES OF DAN PATCH 1:55

and every picture shows the King of all Horse Creation as plainly as if you stood on the track and actually saw Dan Patch 1:55 in one of his thrilling speed exhibitions for a full mile. 2400 distinct moving pictures taken of Dan in one minute and fifty-five seconds means twenty-one pictures taken every second all of the way around the entire mile track from the back seat of a high power automobile. You can see Dan shake his head to let his driver know that he is ready for a supreme effort and then you can watch every movement of his legs as he flies through the air with his tremendous stride of 29 feet. You can see his thrilling finish as he strains every nerve to reach the wire, you can see his driver dismount and look at his watch while thousands of people crowd around, you can see his caretaker force his way through the crowd and throw a beautiful woolen blanket over Dan to prevent his catching cold and then you can follow him up the track before the madly cheering multitudes. As a study of horse motion it is better than the actual speed mile because you can see Dan right before you for every foot of the entire mile. When first shown to the public this marvelous picture caused people to stand up all over the theatre calling "Come on Dan"—"Come on Dan."

This remarkable moving picture is the most realistic and the most thrilling ever presented to the public. My Free Offer Subject To Withdrawal Without Further Notice.

I have taken a part of the original 2400 wonderful and sensational pictures and made them into a **Newly Invented Moving Picture** that you can carry in your pocket and show to your friends at any time, day or night. It does not need a machine, it does not need a curtain and it does not need a light. It is all ready to show instantly either once or a hundred times and Creates A Sensation Wherever Shown.

THIS MOVING PICTURE WILL BE MAILED TO YOU ABSOLUTELY FREE, WITH POSTAGE PREPAID, IF YOU ARE A FARMER, STOCKMAN OR POULTRY RAISER AND CORRECTLY ANSWER THE THREE QUESTIONS.

If You Are A Farmer, Stockman Or Poultry Raiser I Require A Correct Answer To These Three Questions. ——➤ You Must Answer These Questions.

1st. In what paper did you see my Moving Picture Offer? 2nd. How many head Each of Horses, Cattle, Sheep, Hogs and Poultry do you own? 3rd. How many acres of land do you own or how many acres of land do you rent?

☞ **I Personally Guarantee To You One Of These Wonderful Moving Pictures Free If You Are A Stockowner And Answer These Questions And Write Me Today. Signed—M. W. SAVAGE.**

IF YOU ARE NOT A STOCKOWNER AND WANT THE MOVING PICTURES SEND ME 25 CENTS FOR POSTAGE

Packing, etc., In Silver or Stamps and I will mail you this Wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world has ever seen.—If you send me Twenty-five Cents in Silver or Stamps—EVEN if you do not own any stock or land, I will mail it to you postage prepaid. Reproduction cost me thousands of dollars.

☞ Address

Largest Stock Food Factory in the World. Capital Paid in $5,000,000

M. W. SAVAGE, Proprietor

INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.

10 PENNIES LEAD 10 PEOPLE TO GET $32,000.00!

Amazing--Startling--Even Sensational--But True--Overwhelming Proof.

Men—Women—Wake up! There's something coming to you. Strange Invention opens New, Gigantic Money making opportunity. At last! All barriers to your success wiped out—One Cent starts you, leads to handsome fortune, wage freedom, ownership—$3,000 to $10,000 yearly income.

STARTLING RESULTS: ACTUAL RECORDS: Over $2,000 in 2 Weeks; $1281. in 1 Month; $800 in 8 Days; $51.50 in 15 Minutes

Proven by sworn statements. No wonder Lodewick sends this enthusiastic message from Maine: **"Its great! Money coming fast. How lucky I answered your ad. 17 orders today."** Hear the grand glorious news how **10 people like yourself earned over $32,000.00** simply because they had exclusive selling rights on something everybody was longing, hoping, wishing for.

Korstad (Minn. **farmer**) sold **$2,212.13 in 2 weeks;** Zimmerman (Ind. **farmer**) sees great opportunity—starts—succeeds—sells farm—result: orders **$3,856 in 39 days.** Why shouldn't Cashman write "The person who can't sell it couldn't sell bread in a famine. Send 48 more." But listen! Rasp (Wis. **Agent**) sold **$1,685 in 73 days;** Oviatt (Iowa, **Minister**) **$800 first 11 days, $4,000 to date;** Rogers (Kan. **Surveyor**) **$2,800;** Hoard (N. D. **Doctor**) **$2,200.** Rogers writes: "Selling baths **got me one piece of property,** expect to get another." **Miss Edwards** of Nev. writes: "Sold 15 one afternoon. Everybody thinks apparatus finest thing." Reese (Pa. **carpenter**) "Canvassed **60 people—got 55 orders.**" Beem (Kan.) "I averaged **$164.25 weekly** for three months. Undoubtedly best line on the market."


M. G. Stoneman, photographer, Neb. sworn to sales in less than 3 years on partial time total $15,000 Biggest month $1,281.65, biggest day $181.75. Says: "Best thing ever sold; not one complaint from 2,000 customers."


J. B. Hart, farmer, N. C., sales for one year total over $5,000 never sold goods before. Took 16 orders in 3 hours. Writes: "Can't keep from selling it if properly demonstrated. Appeals to everyone."


M. Juell, railroad man, Canada, started on spare time and later excluded everything for the bath business. Not a regular salesman, yet sold about $6,800 worth in about 18 months.

If $3,000 to $10,000 Yearly Appeals to you do in your locality as they did in theirs. Here's the secret—no trick at all. Simply get busy equipping farm, town and city homes with **Allen's Portable Bath Apparatus,** Just think! **Gives every home a modern bathroom for $6.50;** all others $150, yet do less. Really could anything be more **popular, irresistible,** easy to sell. Unquestionably best thing ever happened for agents. Who doesn't want a bathroom at this insignificant price—who couldn't sell **6 to 12 daily.** Think of

Millions longing for this blessing. Truly wonderful. What a proposition—price, goods, field, everything just right. Mark these wonderful features. **Used wherever water in any form exists**—in any room. So **energizes water** that **1 gallon** does more than tubful old way. **Gives cleansing, friction, massage, shower baths**—hot or cold. Makes bathing 5 minute operation. **Cleanses almost automatically—self-heating.** Only clean running energized water touches body, no immersion, no using same water twice. No tubs, bowls, buckets, wash rags or sponges. **No water works, plumbing.** Insures cleanliness without drudgery—prolongs life—prevents disease. Small but mighty—carried in grip. **Over 100,000 sold.**

Used by United States Government, Famous Battle Creek Sanitarium, other celebrated authorities.

Own a private enterprise paying 75% profit.

Experience unnecessary. Almost sells itself. How easy—just show—money yours. Simply supply enormous demand already made—that's all. Every customer anxious to boost your business. **Absolutely no competition**—everything your own way. Fascinating, exciting work—new patent—exclusive territory—**credit given,**—co-operation, assistance, supervision by an **old reliable $50,000.00 house. We want more agents, salesmen, managers, men or women,** at home or traveling, all or spare time, to fill orders, appoint, supply and manage sub-agencies.

Send no money but do investigate. Meet us that far anyhow. Not "some other time" but **now.** You may not see this ad. again. **Mad race for appointments. Let nothing delay. Risk 1 cent now—a postal—for free yet valuable data, sworn to proofs of phenominal success, credit plan, personal trial offer. You will forever after associate this act with prosperity.**

THE ALLEN MFG. CO. 1824 Allen Bldg., Toledo, Ohio.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Agents Wanted

AGENTS—Handy Hame Fastener. Every horse owner buys at sight. 200 per cent. profit. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

AGENTS: 100 per cent. profit. Monkey-wrench, plumbers plyers, with 13 other tools combined. Most wonderful combination of tools ever made. Lightning seller. Sample free for examination. Forshee Co., B. 1365 Dayton, Ohio.

SALESMAN WANTED—To sell trees and plants. Highest commissions payable weekly. Write for free outfit. Perry Nurseries, Rochester, N. Y.

Correspondence Schools

DON'T PAY $20 to $30 for Real Estate, Insurance and Brokerage Course. I sell one for $2.50, same as sold by certain company at $20 or money back. D. W. Edmonds, Youngstown, Ohio.

Farm Lands For Sale

"BACK TO THE FARM" and buy Clark Co., S. Dakota land $20 to $40 per acre. Where the Chinook winds blow and winters are mild, productive soil. Near railroad. Coal at your door. Oran Perry, 825 Law Bldg., Indianapolis.

$18.00 TAKES 79 ACRES; 8 in timber. 10 miles north of Madison, Ind. Fair buildings, 3 springs, plenty fruit. J. W. Shaw, R. R. 7, Madison, Ind.

FOR SALE—553 1-2 acres of fine level black sediment soil with water right in Big Irrigating Ditch, also two good artesian wells on the place, 400 acres in Alfalfa, nine room house, 5 room house, Bunk house, Barn, Dairy house and other buildings. Has been used for a dairy Ranch for the past 20 years and is one of the best in the county. Located 15 miles southwest from Bakersfield the County seat of Kern County, near R. R. and school. This is one of the best Bargains in California. Price $85.00 per acre, $15,000.00 cash, balance 1, 2, 3, 4 years. For this and further information about Kern county write R. A. Moore & Son, Real Estate and Insurance Agts., Room 11 Hopkins Bldg., Bakersfield, California.

FRUIT, GRAIN AND STOCK FARMS for sale in Oceano Co. Write C. W. Morgan, Shelby, Mich., for lists.

KANSAS HOMES—5 to 640 acres, town lots, store buildings, blacksmith shop. Write to John Hoyt, Farmers Agent, Irving, Kans.

"LAND OF HEART'S DELIGHT"—Copita Prairie, Falfurrias, Tex. Ten acre tracts, $10.00 a month. Two and three crops a year. Climate perfect. Good schools. Home market, no taxes, no interest, immediate possession. Make up a club. Oran Perry, 825 Law Bldg., Indianapolis.

MICHIGAN FARMS—Any size, $10.00 per acre and up. Catalog free. Isaac Kouw & Co., Holland, Mich.

MICHIGAN FRUIT AND FARM LANDS—We sell improved and unimproved farm lands right in the celebrated fruit belt of Mich. Lands very productive for farming and fruit growing. Write us for information. James Greacen, Kalkaska, Mich.

MILLION ACRES Texas School Land for sale by the State; $1.50 to $5.00 per acre; only one-fortieth cash, 40 years on balance; three per cent. interest; good agricultural land; some don't require residence; send 50 cents for 1910 Book of Instructions, New State Law and description of lands. J. J. Snyder, School Land Locator, 536 Congress Ave., Austin, Tex. Reference. Austin Nat. Bank.

MINNESOTA LAND—190 acre farm 2 miles from Willmar, city of 5,500, nearly all under cultivation, fenced, fine buildings, large grove, fine land, Big bargain at $49. Many other snaps. A. H. Brown, Willmar, Minnesota.

TEXAS SCHOOL LANDS—Over 1,000,000 acres for sale by the state; you can buy 640 acres at $2 an acre; pay $32 cash and balance after 40 years; fine farming and fruit land and healthy climate. For further information send 6 cents postage. Investor Pub. Co., Dept. 22, San Antonio, Texas.

Farms Wanted

WANTED—Farms and businesses. Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association. Minneapolis, Minn.

We can sell your property. Send description. Northwestern Business Agency, Minneapolis.

Fencing

UP-TO-DATE MOVABLE FENCE PANEL—You make it at home out of old material. Storm proof. Set a rod a minute. Mad River Fence Co., West Liberty, Ohio.

Ferrets

5,000 FERRETS for sale. Write for price list. It's free. Safe arrival guaranteed. De Kleine Bros., Jamestown, Mich., Box 80.

For Sale—Tobacco

30,000 POUNDS leaf tobacco for sale. Send stamps for sample to Anton Wavrin, R. R. 5, Box 34, Franklin, Ky.

For the Home

LIVE BETTER for less money. We tell you how. Practical recipes and valuable information for only 4c stamps. Write today. Purnell Co., 1445 Grattan St., San Francisco, Cal.

RICE—100 pounds, beautiful, clean white table rice, delivered in double sacks, freight prepaid, to your railroad station, $4.60. J. Ed. Cabaniss, Rice Farmer, Katy, Texas.

Ginseng

GINSENG—Thousands of one and two year old roots for sale, one year roots, $2.50 per 100; two year roots $4.00 per 100. Ginseng Culture free with orders. W. N. Long, Florence, Ky.

Machinery

SAW STOVE WOOD, fast, easy, foot power. Booklet free. N. McAslan, Yorkshire, Ia.

Male Help Wanted

LOCAL REPRESENTATIVE WANTED—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The Nat'l. Co-op. Real Estate Co., Suite 511 Marden Bldg., Washington, D. C.

MEN WANTED——To prepare for next Railway Mail, Customs and Postoffice examinations. $600 to $1,500 yearly. Salary twice monthly. Annual vacations. Short hours. Steady work. Common education sufficient. Country and city residents equally eligible. Political influence unnecessary. Over 10,000 appointments every year. Write immediately for schedule showing places and dates of examinations. Preparation free. Franklin Institute, Dept. P., 31, Rochester, N. Y.

WANTED—A man on farm, B. S. Hollopeter, Bigtimber, Mont.

Patent Attorneys

ADVICE and book relative to patents sent on request. Beeler & Robb, Patent Lawyers, 60-62 McGill Bldg., Washington, D. C.

PATENTS: All about them and their cost. Send for Free Books. Shepherd & Campbell, 214 G. McGill Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

52 LEADING VARIETIES poultry, pigeon, hares, stock and eggs, for sale. Stamp for catalog. H. Musselman, Morwood, Pa.

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

30 VARIETIES: Geese, Ducks, Chickens. Catalogue free. Minkel & Co., Mapleton, Minn.

TURKEYS, Narragansett, Bourbon Red, White Holland, Mammoth Bronze. Write S. Durigg & Son, Armstrong Mills, O.

THAT SUBSCRIPTION BLANK

One was enclosed with this paper. If you have not used it, hunt it up now and send it right in. Upon the use or misuse of it much depends, for both you and us.

AN INSPIRING THOUGHT

"The thought that farmers in their millions of fields, and their million of throbbing hearts, may all act in union from the same impulse gained from UP-TO-DATE FARMING is an inspiring one..—Ima Myers, Hillsboro, Ill. Just so! Every thousand subscribers added to this paper increases the power of each subscriber to secure equity in all the business relations of life, The circulation of UP-TO-DATE FARMING cannot be too large.

READ EVERY WORD IN IT

"My business methods, my whole future life was changed by reading a copy of UP-TO-DATE FARMING."—W. A. Williams, Springfield, Ill. Hundreds of people have written us practically the same words and tens of thousands of farmers' lives have been changed by the teachings of this paper. For his own interests, every farmer who receives this paper should read every word in it.

WISCONSIN LEADERS AT HEADQUARTERS

Headquarters of the F. S. E. was honored with a visit, on February 5th, from Mr. Ira M. J. Chryst and Mr. H. G. Tank, leaders in the Equity movement in Wisconsin.

They came for a conference and to get information. After the conference they inspected the headquarters and the publication plant of UP-TO-DATE FARMING, and expressed great surprise at the activities, the completeness and extent of the equipment. They were particularly impressed with the great Equity Press which was running at the time, and the wonderful Auto Mailer which takes the copies of the paper as they come from the press and folds, wraps, addresses and sorts them by states and postoffices, atuomatically.

The visit cannot fail to be of benefit to the organization in Wisconsin and we extend a cordial invitation to them or others to come again.

Produce Commission Merchants

TAKE NOTICE, poultry, eggs, potatoes sold highest prices. T. J. Hoover, 344 Water St., Phila, Pa.

Seeds and Nursery Stock

COW PEAS, SOY BEANS. They are in first place for soiling, hay and fertilizing purposes, and are successful wherever corn is grown. Cane seed, millet seed, sweet potatoes. Free catalog. Hickory Seed Co., 38 Trade St., Hickory, N. C.

GERANIUMS AND BOSTON FERNS—$1.00 will buy one Boston Fern, fine big plant, and twelve new winter flowering Geraniums. ostage or expressage paid. B. E. Wadsworth, Box 224, Danville, Ill.

HIGH FRED BROOM CORN Seed, more and finer corn to acre than ordinary seed. Write W. P. Fanning Seed Co., Oakland, Ill.

STRAWBERRY Plants. Best Varieties. Catalogue Free. Basil Perry, Cool Springs, Delaware.

Sheet Music

50c SHEET MUSIC 10c—Rosary, Palms, Calvary, Anchored, Jerusalem, Lost Chord, and 1,400 other regular 50c numbers postpaid 10c each. Write for catalogue. National Music Emporium, Farmer Desk, Albany, N. Y.

Thoroughbred Stock

REGISTERED POLAND China hogs, male and female. B. S. Hollopeter, Bigtimber, Mont.

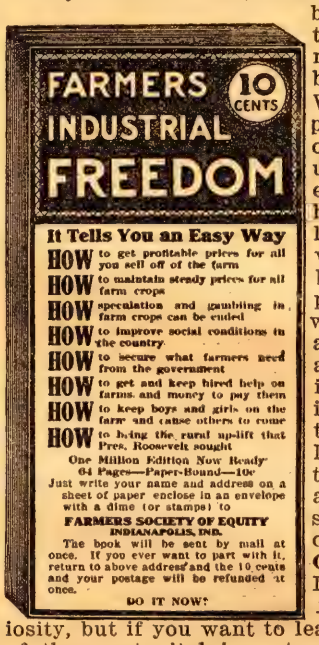
"WONDERFUL"—Monarch of the Dickinson fold. He that was of great individuality. Decendants of said ram whose greatness still holds good. The long ancestral line insures uniform type. No guess work. Good business sense asks: "Why waste your high priced feed, precious time and energy upon anything but the very cream of breeding?" Choice stock now booked for future delivery. H. M. Culbertson, Zanesville, Ohio.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Greatest discovery of century. Send your name at once. KING NI-KO U, Wichita, Kansas.

READ THIS GREAT BOOK

If you are a farmer and have any business troubles read this book. We want to place a copy of this volume in every farm home in the land. It is valuable beyond price, but we will send a copy to any person interested in solving the problems on the title page, as here shown, for only **10 CENTS.** Don't send out of curiosity, but if you want to learn what is of the most vital importance to your business and which cannot be learned elsewhere, send for it. To avoid any mistake use this coupon:



—————COUPON—————

Farmers Industrial Ereedom

Farmers Society of Equity,
Indianapolis, Ind.
Enclosed is 10 cents for which send me the new 64 page book *FARMERS INDUSTRIAL FREEDOM.*

My
Name .....

My
Address .....

ORGANIZERS

Following is a partial list of Commissioned Organizers of the Farmers Society of Equity. Communities convenient to them and that feel the need of an organizer to assist them, should correspond with these people.

Ark.—Carroll McGee, Caddo Gap.
Ark.—Levi Gatlin, Brookland.
Col.—Barney Haughey, Durango.
Del.—John M. Peckham, Harrington,
Ind.—Edwin D. Gee, Tennyson.
Ind.—I. E. Gouckenour, Hynera.
Ia.—P. J. Baadte, Sheldon.
Kas.—S. A. Altman, Lincoln.
Ky.—J. R. Prescott, Glendeane.
Ky.—J. H. Quigley, Nobob.
Ky.—J. A. Pulliam, East Fork.
Ky.—J. A. Biggerstaff, Sebree.
Ky.—N. M. Ashby, Sebree.
Ky.—E. F. DeCourcey, Dunmore.
Ky.—R. H. Nasbitt, Providence.
Mich.—Thos. A .Cole, Lucas.
Mich.—Geo. C. Wattles, Sherwood.
Mich.—James Howey, East Jordan.
Mich.—C. Warren, Pigeon.
Mich.—Mrs. Martha Culbertson, Three Rivers, (Mrs. Culbertson is also state organizer for the Michigan Ladies Society of Equity).
Mich.—C. L. Simmons, Sparta.
Mich.—John Belanger, Provemont.
Mich.—M. N. Drake, Treefant.
Mich.—Chas. O. Coors, Montague.
Mich.—Wm. Robinson, Ewart.
Mich.—Wm. Hogan, Marlette.
Mich.—J. D. Martz, Port Huron.
Mich.—David Roush, Traverse City.
Mich.—A. M. Gauder, Cadmus.
Minn.—S. W. Morris, Rochester.
Mo.—Frank Moore, Briscoe.
Mo.—J. F. Burch, Callae.
Mont.—John M. Fairburn, Billings.
Mont.—C. E. Barngrower, Billings.
Mont—P. B. Feely, Roberts.
Neb.—Frank A. Mitchell, Hooper.
N. Y.—Jas. E. Baxter, Fort Plains.
N. Y.—Fred M. Smith, Auburn.
N. Car.—R. J. Arrington, Fountain.
N. Car.—J. C. Williams, Henderson.
O.—J H. Harpster, Millersburg.
Okla.—E. R. Williams, Chandler.
Pa.—W. D. McMillen, Punxsutawney.
S. Dak.—J. H. Leighton, Sisseton.
Tenn.—J. S. Ftizgerald, Lemoir City.
Tenn.—M. H. Bootbe, Lucy.
Vir.—C. T. Mattox, Union Hall.
Wis.—J. N. Church, Clintonville.
W. Vir.—J. E. Evans, Sisterville.
W. Vir.—John Dewers, Lesage.
Wash.—J. N. McDonald, Kennewick.

NOTE.—*Please see "Warning" under department of "Meetings." The same warning and advice is applicable to organizers in this list.*


G. P. WAY, Inventor

I WAS DEAF

25 YEARS. NOW I HEAR WHISPERS with my artificial Ear Drums in my ears. **I never feel them**—they are so perfectly comfortable, and no one sees them. I will tell you the true story of How I Got Deaf—and How I Made Myself Hear. Address your letter to me personally at **99 Adelaide St.**



This is important, as letters sent to other addresses often do not reach me. **I stand back of every claim made for MY drums.** Medicated Ear Drum

GEO. P. WAY, Pat. July 15, 1908
99 Adelaide St., Detroit, Mich.

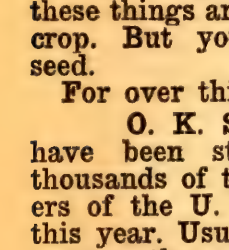
PILES CURE-ETTO

guaranteed SURE Cure. Quick relief. We mean a cure and furnish proof and best references. Our cure mailed sufferers FREE on trial. If benefitted pay $1.00; otherwise pay nothing.

Home Treatment Association, Dept. A, Indianapolis, Ind

New Rupture Cure

Don't Wear A Truss



Brooks' Appliance. New discovery. Wonderful. No obnoxious springs or pads. Automatic Air Cushions.

Binds and draws the broken parts together as you would a broken limb.

No salves. No lymphol. No lies. Durable, cheap. Sent on trial. Pat. Sept. 10, '01.

CATALOGUE FREE

C. E. BROOKS, 2657 Brooks Building, Marshall, Mich.

ALL CHRONIC DISEASES CURED

permanently by mail. $5.00 per month. Send full description of your case. 38 years experience.

Dr. E. Christiansen, Room 100, Jackson Blvd., Chicago

MUDLAVIA—Nature's Treatment

where you bathe in black, soft mud that draws out pain and poison. Thousands cured. Big Hotel—open all year. Send for book. H. B. Kramer, Pres., Kramer, Ind.

BUY FROM ADVERTISERS IN UP-TO-DATE FARMING

You will save money. The advertiser will do more business and increase his advertisement. This gives us more money to make a larger, better paper—to carry more advertisements—to save you more money—to increase the business of advertisers and enable them to enlarge their advertisements. Again we will increase number of pages, etc.

Your purchases will help—no matter how small. Send for catalogs; ask for particulars

SEED TALK!

What do you think of crop insurance?

It would be a good thing. Sometime we will have it just as we now have Fire Insurance and Life Insurance.

You can have crop insurance now. Good seed is the best insurance. You plow, harrow, plant, cultivate and harvest the crop. Then comes marketing. But if the seed was poor there is little to sell. It requires no more labor and expense to do all these things and raise as big crop. But you need good seed.

For over thirty years the

O. K. SEEDS

have been standard with thousands of the best farmers of the U. S. Join them this year. Usually they cost no more than others, and are the best you can buy at any price.

We have a catalog for you. Send for it, it is free. Just write a postal today and say you want our Seed Book. Address

O. K. SEED STORE,
Dept. A., Indianapolis, Ind.

THE FIELD

"I SEE A GOLDEN ERA ARISING"

THE FARMERS SOCIETY OF EQUITY:

I have given the first and second "Great Lessons" to all of my new Locals. They are well received and they add much to the interest of the meeting. This feature will add strength to th F. S. E.

This state is ripe for organization. Appoint more organizers. The farmers are now ready to embrace the true plans as they never were before. This campaign means everything to our farmers. They are worked up to an extreme tension and only cool, sane advice can save us from a tobacco war. They may be said to be a disorganized mass of distontented farmers. There is one point on which they agree, it is: if the original plan had not been changed none of this would have happened. They have learned their lesson and they are ready to come back. I see a golden era arising.—J. R. Prescott, Glendeaue, Ky.

READ UP-TO-DATE FARMING

TO THE READERS:

I hope all readers will take interest in reading this masterful educational paper—a farm paper, which has no equal. It teaches all, which other farm papers teach, and also how to control prices, in equity. Equity means impartial justice to every body. It teaches how the farmers can get the benefit of the demand for their produce; better prices for farmers, and cheaper prices for the consumers. It has lessons interesting and instructive in every issue, and is non partisan, that will benefit and interest every one, who will read them carefully, and understandingly. Now dear reader; I repeat; *read this farm paper,* and get posted. You will be better posted after reading any issue than you ever was before. Farmers are going to *organize thoroughly,* and not so very far in the future. When two hundred thousand farmers commence to think the same thoughts half the work will be done. In organizing any kind of a society there has to be, as far as I have noticed, about one leader for every ten. The ten are followers. They are always waiting to see what the other fellow is going to do. The ten have not formed the h abit of thinking. Every married man should get his better half interested. No man can have much success, without the aid of his wife. Without her intelligence he is poor indeed. Nearly all great men had wives their equal in intelligence.—Thos. C. King, Perryville, Mo.

NATURALLY DRIFTS BACK TO THE FARMER

The effect, if any, of the food boycott must naturally drift to the farmer. The farmer has no board of trade now to set the price on his product as all other industries have; he has no organization yet to help him in his business up to the level, with well organized industries; he must stand to be dictated to by all other industries and not talk back. In fact he is just the dummy for all people to dictate to. So he must stand the blunt of the present boycott on meats and other food stuffs. Already the price of his cattle, his butter and eggs, has diminished from the effects of the so called boycott for all branches of business between the Farmer and the consumer is so well organized that they can pass the cut in prices from one branch to the other until it reaches the unorganized farmer, he alone must take just what they wish to give him. *"Now, farmers, we have a right to retaleate and say we do it.* We can bring an investigation that will be no sham, but the real thing.

Suppose, commencing on March 1, 1910, we will not market a pound of food stuff nor will we sell except to our neighbor Farmer, a pound of farm produce for a period of 30 days. That will be sufficient to cause an investigation by Congress into Trusts and Combines that will do a world of good to the people of the U. S. We have had investigations by grand juries and others. That (in my opinion) were merely to make the people believe that the administration was trying to do the right thing. If one court found them guilty the next higher court would annull the former decision. Just a farce is the way it looks to me. Now if all or one-half of the Farmers of America will keep their produce off the market for 30 days, things will come their way.—M. N. Drake, Trufant, Mich.

PLAN A GOOD ONE

J. A. EVERITT, Pres.:

Your plan for co-operation is a good one and should receive the encouragement and support of all farmers on its presentation. UP-TO-DATE FARMING is a splendid publication. Your Equity System of marketing should be endorsed by every one interested in the agricultural classes in our country. —Ed. R. Kone, Commissioner of Agriculture, Austin, Tex.

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 55, Sta. F, Toledo, Ohio.

MEETINGS

Meetings to organize local unions of the Farmers Society of Equity will be held at the following places within the next two weeks. All farmers who ship their produce from the various towns should be sure to attend the meetings and they should assist the person in charge to make the meetings successful.

ARKANSAS

Springdale, S. G. Fogl, P. O. the same.
Searcy, G. A. Ward, "
Lunenburg, Naffinger Bros., "
Jonesboro, W. E. Wood, R. R. 3 "

CALIFORNIA

Alpaugh, J. N. Huffer, P. O. the same.

INDIANA

Haubstadt, Peter Butsch, P. O. the same.
Williamsport, R. A. Price, Kramer, P. O.
Pleasant Lake, J. W. Weaver, P. O. same
Marblehill, J. F. King, "
Twin Lake, Alfred Lawrence, Plymouth.

IOWA

Blairsburg, F. J. Deckman, P. O. same.
Pulaski, M. W. Beans "

ILLINOIS

Tonica, C. A. Roseling, P. O. the same.
Lyndon, Porter Harkness, "
Plainfield, J. W. Monroe, "

IDAHO

Preston, H. S. Nelson, P. O. the same.

KANSAS

Cherryvale, Asher Davidson, P. O. same.

MICHIGAN

MICHIGAN STATE UNION, at Traverse City, March 3d. National Organizer Sherman will be in attendance. He will remain in Michigan a few weeks and sections wanting his services should go to the State meeting and arrange for them, or write to headquarters at Indianapolis, at once.

Cedar Springs, F. S. Smith, P. O. same.
Adrian, A. R. Park, R. R. 6, "
Manistique, Tules Van Suit, "
Bloomingdale, Wm. Smith, "
Lakeview, Wm. Stevens, R. R. 4, "
Chassell, John D. Fish, "

MAINE

Welchville, C. C. Warren, P. O. the same.
Drew, Pitt M. Page, "

MINNESOTA

Osage, A. E. Sartain, P. O. the same.
Hewitt, Amzi O. Russell, R. R. 1 "
Long Lake, S. T. Dillman, "
Marshall, Valere Callens, R. R. 4,, "

MISSOURI

Humansville, O. B. Orton, P. O. the same.

MONTANA

Red Lodge, Carbon Co., Mont.—Joint meeting of millers and members of F. S. E. on March 4. Object: to bring about co-operation to secure a larger home market for flour and as a result, better prices for Montana wheat.—P. B. Feeley, Sec. Roberts, Mont.

NEBRASKA

Long Pine, M. J. Thralls, P. O. the same.

NEW YORK

Poolville, George Clark, P. O. the same.

NORTH CAROLINA

Four Oaks, Leslie Allen, R. R. 3, P. O. the same.

OREGON

Halsey, R. P. Daugherty, P. O. the same.

OHIO

Lore City, J. R. Dixon, P. O. the same.

PENNSYLVANIA

Polk, Richard Klinger, P. O. the same.
Shamokin, John F. Soba, R. R. 2 "
Punxsutawney, R. A. Elkins, Horatio, P. O.

SOUTH CAROLINA

Millerstown, O. R. Troutman, P. O. the same.
Bethune, T. M. Barnes, P. O. the same.

SOUTH DAKOTA

Kennebec, R. C. Kennebec, P. O. the same.

TENNESSEE

Calhoun, W. G. Skelton, P. O. the same.
Middleton, W. H. Elliott, "

UTAH

Lehi, Prof. N. W. Cummings, P. O. same.

VIRGINIA

Duprees, N. E. Hayes, P. O. the same.

VERMONT

Brattleboro, R. H. Wilson, R. R. 5, P. O. the same.

WISCONSIN

Cochrane, R. G. Stirn, P. O. the same.
Ogdenburg, Lewis A. Dain, "
Denmark, R. C. Predrickson, "

WEST VIRGINIA

Salt Lick Bridge, U. W. Singleton, P. O. the same.

WASHINGTON

Adrian, I. M. Staten, P. O. the same.

WARNING—*Our readers are hereby warned against designing people who want to keep farmers from organizing. There are such people who know that if farmers organize now, on the Farmers Society of Equity plan, that it will be effective and permanent. Naturally those who can exploit farmers because of their helpless condition do not want to see this movement succeed. To print addresses of our workers in this paper at once subjects them to be addressed by our enemies who are most apt to appear in the guise of friends.*

If any person whose address appears above, or elsewhere in UP-TO-DATE FARMING *receives any communication intended to cast doubt or discredit on our work we request that it be forwarded to us at once. In the past two years five such people have been haled into court, convicted of crimes and punished as the laws of various states prescribe. Nothing will be allowed to stop the forward movement all along the line.*

THE FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Mail Me This Free Coupon

with your name and address plainly written

Name .....

Address .....

.....

You'll receive, prepaid, a $1 pair of Drafts to try Free, as explained below. Magic Foot Draft Co., Dept. HA10 Jackson, Mich.

To every one suffering with

RHEUMATISM

I Make This Unlimited Offer



FREDERICK DYER, Corresponding Sec'y.

I'll send you the **Drafts** the same day I get your coupon—fresh from the laboratory, ready to begin their cure the minute you put them on. They are curing every stage and condition of this cruel disease, **whether chronic or acute—muscular, Sciatic, Lumbago or Gout**—no matter where located or how severe. They are curing old men and women who have suffered all their lives, as well as all the milder stages. Don't neglect rheumatism, I urge you, for I know the horrible torture and deformity it so often leads to. Send today for the **Drafts.** I send them on **free trial** because I **know** what they are doing for many thousands, and I have faith that they can cure you likewise. Try the **Drafts** when you get them. **Then,** if you are fully satisfied with the benefit received, send me One Dollar. If not, they cost you nothing. **I take your word.**



Address Magic Foot Draft Co., HA10 Oliver Bldg., Jackson, Michigan. Send no money—just the coupon. Write today—**now.**

Consumption Book FREE



This valuable medical book tells in plain, simple language how Consumption can be cured in your own home. If you know of any one suffering from Consumption, Catarrh, Bronchitis, Asthma or any throat or lung trouble, or are yourself afflicted, this book will help you to a cure. Even if you are in the advanced stage of the disease and feel there is no hope, this book will show you how others have cured themselves after all remedies they had tried failed, and they believed their case hopeless.

Write at once to the Yonkerman Consumption Remedy Co., 3795 Water Street, Kalamazoo, Mich., and they will gladly send you the book by return mail free and also a generous supply of the New Treatment, absolutely free, for they want every sufferer to have this wonderful remedy before it is too late. Don't wait—write today. It may mean the saving of your life.

TAPE-WORM EXPELLED WITH HEAD, GUARANTEED. BOOKLET FREE. BYRON FIELD & CO. 182 STATE STR., ST CHICAGO, ILL.

BED WETTING

Inability to hold urine during the night or day, in old or young, **is not a habit but a dangerous disease.** Our **HARMLESS** Pastilles are **guaranteed** to cure it.

C. H. ROWAN DRUG CO., Dept 10 London, Ont., Canada. **A 25c. Pkge. FREE.**

$1000.00 In Gold Given Away In Prizes

$3.50 Pail Wilbur's Stock Tonic FREE

Any person may enter this contest who fills out and sends us coupon below or who writes us the information requested in coupon.

We have deposited with the First National Bank of Milwaukee, *One Thousand Dollars ($1000.) in Gold* to be given away in prizes in the most original prize contest ever conducted.

This $1,000.00 prize contest is open to every person who writes us the information asked for in the coupon, or who fills out and sends us the coupon. The details of the contest will be sent at once.



Pabst Famous Six-Horse Team of World's Champion Percherons
Awarded 10 First Prizes, World's Fair, St. Louis, 1904.

This Magnificent 8-color Picture, Size 15 x 31, Sent Free if You Mail the Coupon Today.

Remember, it requires no special knowledge to compete for this great prize. Any one in the family can compete—Father, Mother, Boy or Girl—or all of them together.

It will require only a few minutes of anybody's time. No canvassing or selling goods is required, just a few minutes work in the evening or at any spare time. The cash prizes are:

1	FIRST PRIZE - - -	$500.00 Cash
1	Second Prize - - -	100.00 Cash
1	Third Prize - - - -	50.00 Cash
4	Prizes, $25.00 each - -	100.00 Cash
10	Prizes, 10.00 each - -	100.00 Cash
10	Prizes, 5.00 each - -	50.00 Cash
100	Prizes, 1.00 each - -	100.00 Cash
127	Prizes	$1000.00 Cash

Think What Could be Done with That Extra $500.00

It would build a comfortable addition to the house. It would furnish your home complete. It would build a granary or an extension to the barns. It would give a young person a business education or go a long way towards completing a college course.

It would pay for a trip to Europe or an extensive journey through America.

If it were required for no other use, it would start or increase a bank account very nicely.

You will surely decide that it is worth trying for when you consider that the trial costs nothing.

Whether You Enter the Prize Contest or Not.

To prove beyond all doubt to every intelligent stock raiser that

Wilbur's Stock Tonic

Is the world's greatest conditioner and feed saver we will actually give a 25-lb. pail free where we have no agent, to every reader of this paper who fills out and mails to us the coupon shown below, or writes the information asked for in the coupon.

We don't have to tell people any more how good Wilbur's Stock Tonic is. Its place is established among the farmers and feeders of the country. Those who have tested it accept its saving in feeds and the improved condition of live stock as a matter of course and order it regularly. Those who make the first trial are surprised at the results, as they do not at first realize how a small amount of Wilbur's Stock Tonic can bring such results.

The secret of it is very simple. Under ordinary conditions there is a large waste of the nutrient element of feed. A right tonic increases the powers of digestion and assimilation and enables the animal to get all there is from the feed besides increasing the appetite. With the **dairy cow** the milk-producing feed is all assimilated and converted into milk when the digestive functions are kept in perfect condition. With **horses** it regulates the bowels, softens the stomach, purifies the blood and fills the animal with vitality and action. For **mares** with **foal** it acts as a wonderful tonic and invigorator. For raising **colts** to strong, healthy animals, it has no equal. With **steers** and **hogs** the fattening elements of feeds are all appropriated; with **fowls** the full complement of the feed is turned into eggs.

Send Today for the Free Pail

Cut out the coupon and mail it to us. You do not need to enter the Prize Contest to get your Free Pail. But we will send you the particulars of the contest when we receive the coupon. Then you can decide for yourself.

Remember, the Special Gift, the picture of the World's Champion 6-horse Team, will also be sent whether you enter the prize contest or not.

Just Send this Coupon

This Coupon brings the Pail



WILBUR STOCK FOOD CO.,
963 Huron St., Milwaukee, Wis.

Gentlemen:—Please send me the 25-LB. PAIL OF WILBUR'S STOCK TONIC ABSOLUTELY FREE, also the BEAUTIFUL 8 COLOR PICTURE and the particulars of your $1000 *CASH PRIZE CONTEST.*

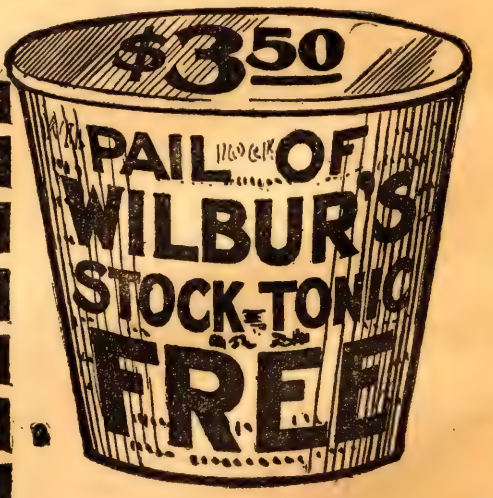
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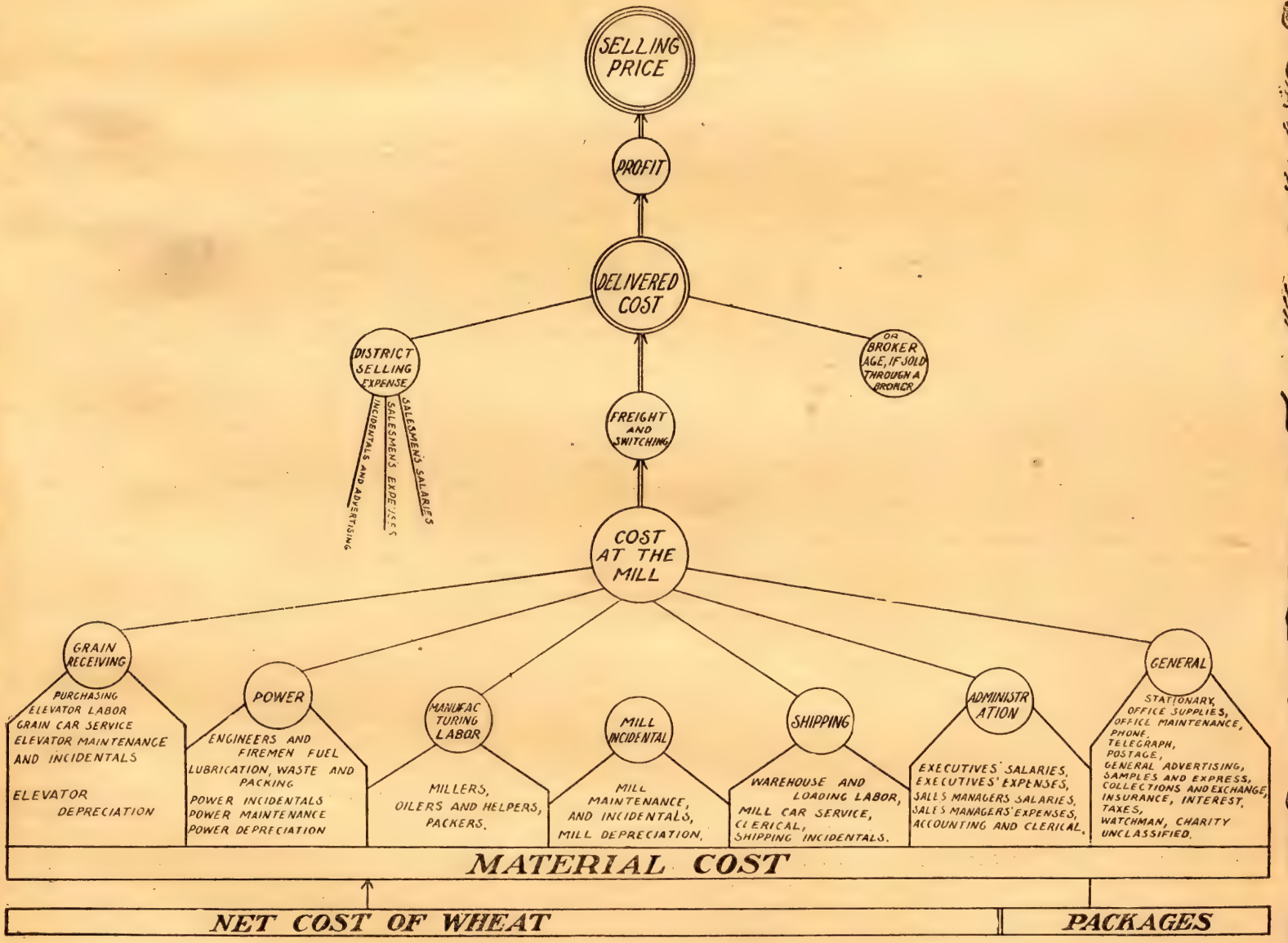
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Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, MARCH 15, 1910 | Number 6

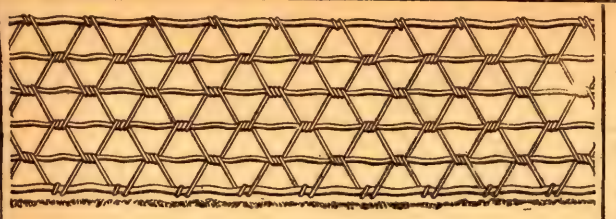
BUILDING UP THE COST



Agitation wisely directed is sure to result in Education. Such will undoubtedly be the result of the wide-spread discussion of the cost of living. * * * A writer in the Northwestern Miller giving a lesson on how to determine the selling price of flour, shows by the aid of a diagram, how the cost is built up from the time the wheat is bought to the time the flour is ready to pass from the mill to the purchaser outside. We have reproduced the diagram above and refer our readers to page 3 of this number for further explanation.

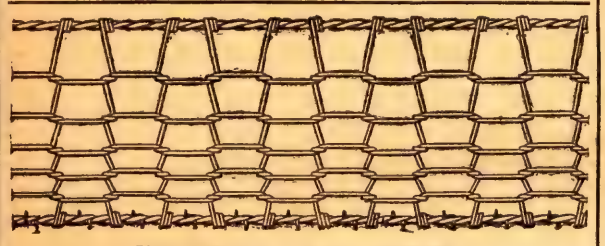
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14¾ CENTS A ROD 22 inches high. Top and bottom wires No. 11. 4 intermediate wires No. 14. The No. 11 and 14 wires are High Carbon Coiled Spring Steel. No. 16 mesh wire. All wires are heavily galvanized. Line wires are 4½ inches apart. 6 inch mesh. Turns pigs and hogs. Very strong, will last for years and is a bargain. We make this fence 18 inches high at **13¼c.** 27-inch **16¾c.** 31-inch **18¾c.** 45-inch **24c.** a rod.



UNIVERSAL HOG FENCE.

16¾ CENTS A ROD 24 inches high. Cable wire at top, barbed wire at bottom, line and stay wires No. 13. All wires are heavily galvanized. Line wires 3, 3, 3, 4, 5 and 6 inches apart. Stays 6 inches apart. Woven close enough to turn small pigs. This is a splendid fence. We sell thousands of miles of it. Everybody is pleased with it.

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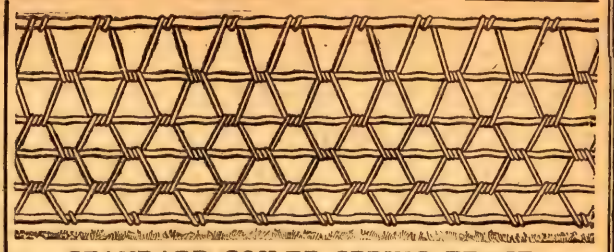
It's wonderful, almost increditable, that fences as good as these could, under any circumstances, be offered at these prices. There is but one moderate profit added to the cost of production. When you buy fence of us you pay no more than your hardware dealer pays at wholesale, and in some cases not as much. We have a capacity of

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and are the largest exclusive mail order fence house in the world today.

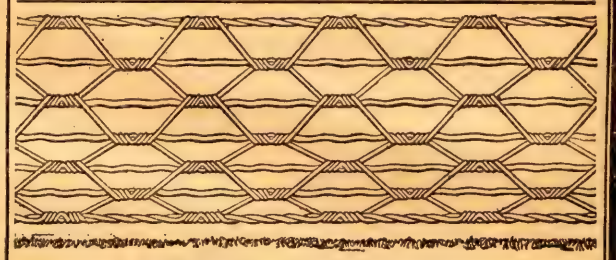
We want every reader of the UP-TO-DATE FARMING who needs Fence, Wire, or Gates of any kind to have our FREE CATALOG and know of the wonderful bargains we are offering. If you are not needing any of our goods for six or eight months, send for Catalog now anyway. It has lots of good information and we know it will please you.

We Save You Jobbers' and Dealers' Profits of from 3 to 12 Cents a Rod.



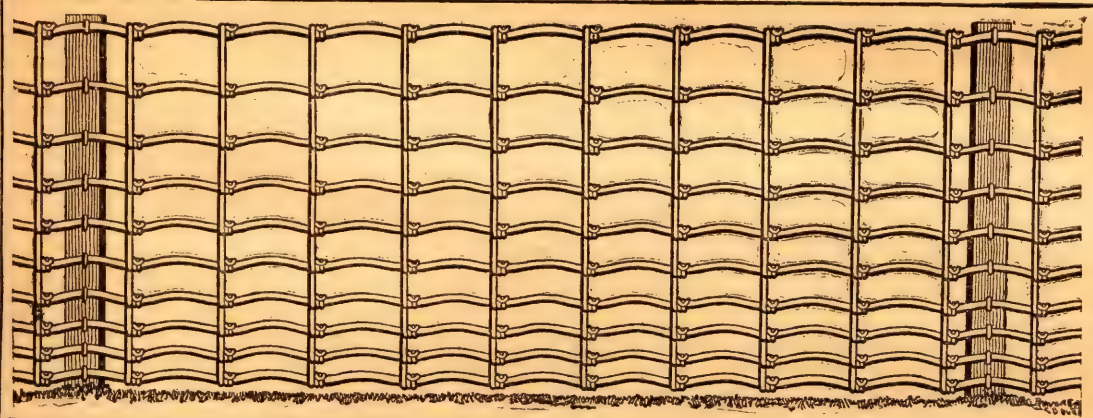
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20½ CENTS A ROD 26 inches high. Two No. 9 Coiled Spring margin, four No. 12 Coiled Spring line wires and No. 14 mesh wires. 6 inch mesh. Spacing of line wires 4, 4⅛, 4½, 6 and 7 inches apart. We make this style 33 inches high at 25c. 40-inch at **28½c.** 47-inch at **31¼c.** 54-inch at **35¼c.** per rod.



SPECIAL JUNIOR FENCE.

15¾ CENTS A ROD 26 inches high. The wires are No. 13 and No. 14, all heavily galvanized. This is something new in a diamond mesh fence. Line wires 3, 3½, 4, 4⅛, 5 and 6 inches apart. 12-inch mesh. Greatest fence made at the price. We make this fence 20 inches high at **14¾c.** 31-inch at **19½c.** 34-inch at 22c. a rod.



OLD TRUSTY COILED SPRING FENCE.

25 CENTS A ROD for this 47-inch Fence. Made of two No. 9 Coiled Spring margin, eight No. 12 Coiled Spring line wires and No. 13 stay wires, all heavily galvanized. Stays 12 inches apart. Line wires 3, 3½, 4, 4½, 5, 5½, 6, 7 and 8 inches apart. Is very strong and will turn anything in the stock line.

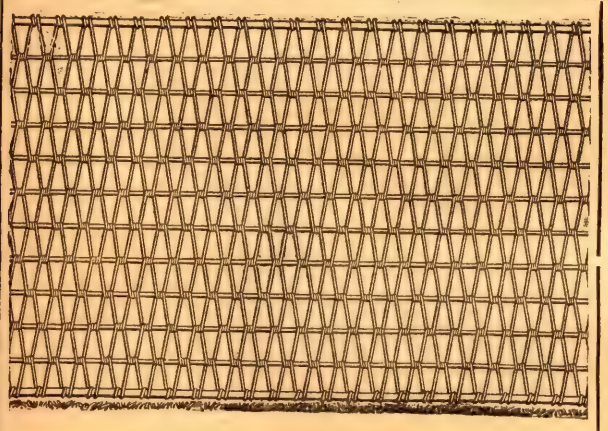
Here is a Bargain.

This has them all beat. Think of it, a heavy farm fence 47 inches high only 25 cents a rod. Never heard of anything like it, did you? It pleases everybody. One order means a regular customer. You save from 8 to 15 cents a rod on this bargain. We make this fence 26 inches high at **17½c.** 32-inch **20¼c.** 39-inch **23c.** 55-inch **29c.** a rod. See our big Catalogue for full particulars.

$1.55 FOR 80-ROD SPOOL BARBED WIRE.

This is our celebrated **IDEAL BARBED WIRE**, made of two No. 14 Galvanized Steel Wires with 2-point barbs 3 inches apart and having a breaking strain of 960 pounds. **THIS IS THE LOWEST PRICE EVER MADE ON THIS WIRE.** We make all kinds of Barbed Wire at proportionately low prices.





K-B POULTRY FENCE.

33 CENTS A ROD for a 50-inch Poultry Fence Two No. 12 High Carbon margin, ten No. 16 High Carbon line wires and No. 18 mesh wires. 2-inch mesh. Line wires 4 inches apart. Price reduced from 37 cents a rod and is a big bargain at 33 cents a rod. We make this style 36 inches high at **27c.** 45-inch **30c.** 54-inch **36c.** 59-inch **39c.** 62-inch **42c.** a rod.



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Our References.

Bradstreet and Dun's Commercial Rating Agencies rate us worth $200,000.00 to $300,000.00. Most Bankers have these reports. Ask your Banker, he can tell you if we are responsible or not. We have advertised in the UP-TO-DATE FARMING for years—ask them about us.

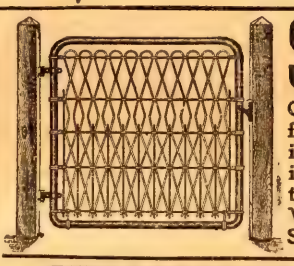
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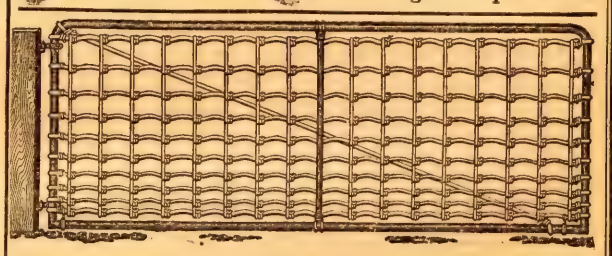
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If you like, but we would prefer you to write and get our FREE CATALOGUE which explains everything fully. If you do not have time to do this, make out your order from this advertisement and goods will be shipped promptly, subject to your approval.

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JUNIOR FARM GATE.

$3.40 for a No. 1 Farm Gate 10 feet wide 4½ feet high. Frame is made of 1⅛ inch outside diameter new steel pipe covered with heavy closely woven farm fence. Same Gate 12 feet wide only **$3.85.** This is at least $1.00 less than anybody else will ask you for a similar gate.

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UP-TO-DATE FARMING

Representing the Organized or Co-operating Farmers of America

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Volume XIII | INDIANAPOLIS, INDIANA, MARCH 15, 1910 | Number 6

Building Up The Cost

Manufacturing and Distributing Too Expensive

(See First Page Illustration.)

AGITATION wisely directed is sure to result in education. Such will undoubtedly be the result of the wide-spread discussion of the cost of living. A great many still believe the farmers are responsible for the higher price of foodstuffs. They understand that all foodstuffs material comes from the farms, and their lack of thought and information leads them to look only to the farms for the cost.

A writer in the Northwestern Miller, however, giving a lesson on how to determine the selling price of flour, shows, by the aid of a diagram, which we use as the basis for the front page illustration for this issue of UP-TO-DATE FARMING, how the cost is built up from the time the wheat is bought to the time the flour is ready to pass from the mill to the purchaser outside. This diagram was not made to illustrate cost building, but to show millers how to keep their accounts, and what to consider in making the price they should charge for their flour. Hence its showing is not ours, but an illustration given by the millers themselves. We do not contend, however, that this is illustrative of the practices of local mills doing a comparatively local business. Their costs and charges are local also. Yet their prices naturally follow the prices made by the big mills. Nor are we inveighing against the millers. Each vocation must be self-supporting, and those who follow it must have profits, or the business must necessarily be abandoned. But for all that we are compelled to believe there is too much cost between the grain of wheat and the loaf of bread.

It will be noticed that, in the diagram, to the original cost of the wheat (taking no account of what it may have cost the farmer to produce it) is added a charge for buying, for elevator labor, for grain car service, for elevator maintenance and incidentals, and for elevator depreciation. All these come under the head of the cost of receiving the grain. Then comes, under the head of power, charges for engineers and firemen, fuel, lubrication, waste and packing, power incidentals, power maintenance and power depreciation. Then are entered up charges for manufacturing labor, the cost of the millers, the oilers and helpers, and the packers. Next, under the head of mill incidentals, comes mill maintenance and incidentals, and mill depreciation. Shipping involves the cost of warehouse and loading labor, mill car service, clerical service and shipping incidentals. The cost of administration includes executives' salaries, executives' expenses, sales managers' salaries, sales managers' expenses, and accounting and clerical. Under the head of general expenses are reckoned stationery, office supplies and office maintenance, 'phone, telegraph, postage, general advertising, samples and express charges, collection and exchange, insurance, interest, taxes, watchman, charity, and other charges not classified.

The wheat is now in the mill, and another series of costs are on, among which we note a charge for freight and switching, and the expense of selling, either salesmen's salaries, salesmen's expenses and incidentals, or brokerage charges. The next thing to add is PROFIT, and then we have the SELLING PRICE of the flour!

It occurs to us that high prices should be no longer wondered at. Every article of food or of clothing that passes from the farms through manufacturing processes to the users, takes on similar accumulations, and while we concede that every person necessarily employed in the business ought and must have reward, we believe it costs too much to get from the producer to the consumer.

Continuing with wheat as an example, the above scale makes no provision for either cost or profit for the farmer that grew the wheat. He must take all chances and accept whatever is called the market price. No rent of land, no cost of seed, no value of the work of cultivation, no cost of harvesting, threshing or marketing. He is offered a price, and if it meets the various charges and carries a profit, the farmer is fortunate; if it fails to do so it is his misfortune rather than his fault; he must accept the price all the same.

We might go still further and follow the flour from the mill to the bakery or the kitchen, and every step brings additional charges to add to the price the ultimate consumer must pay, but we have said enough to give at least a glimpse of the process of price building.

And we may now repeat what we have said before, that these intervening costs and charges are too great. Consider the items carefully. Many of them are covered more than once. Interest and taxes are provided for, wear and tear of machinery are covered, wages for labor are paid, salaries are included, and all imaginable expenses are met. Even charity, what the operators or proprietors contemplate giving to charities of their own choosing, an unknown and entirely problematical sum, is included and added to the price. Charity is something supposed to be given of one's own means, and if such gifts are charged up and collected off some one else they are not charity at all.

In all reason, men's wages are their profits, and so are official salaries. After the payment of actual expenses, were we to stop with the payment of wages and salaries, everybody would have all he earned, and the interest charged would cover the investment. But still, after all is paid, every obligation met, with what they may possibly give in charity included, a large percentage of profit above all is added before the selling price is reached!

We need not discuss the official salaries. The tendency of the times is to make them high and higher, and when to these salaries all these charges are added ,and the indicated profit taken besides, users need not express surprise at high prices. Nor will pretended boycotts or protests relieve them. Reforms never come from the top downward, but from the bottom upward. Hope is centered in the common people. The greatest of all responsibility, perhaps, is on the farmers. They are the first owners of all the food products, for they produced or created them. So long as they dump these commodities on unwilling or glutted markets, investors or speculators will buy them up at forced prices, store and control them. This makes concentration possible, and invites the defiance of all law except the law of Greed—leading to the accumulation of charges and building prices that even now are startling the world. And the world is looking to the organization and co-operation of farmers to secure better distribution and get their products through shorter and cheaper routes to the consumers. Will they do it?

Farmers Getting In Control

FARMERS are beginning to control the marketing situation. Speculators who have heretofore played with prices as the cat plays with a captive mouse, must now reckon with conditions that they formerly never considered. In a recent grain review in one of the leading trade publications, we find the following unusual admission:

> Frequently when the speculative market appears ready to decline sharply, and everything is greased for the occasion, it is remarkable how suddenly conditions develop which prevent the market slipping down any further, and give it an upward lift. Usually this upward lift receives its impulse from traders who had been working to precipitate a break by hammering the market through their selling operations, and their later buying to cover these sales elevating prices. This is usually the case when the market becomes what is called dangerously "oversold."

What is meant by being "dangerously oversold?" There can be no danger in selling what one has. It is no more than the transfer of a commodity from one to another. A man may sell more than he can spare of an article, and compel himself later to do without what he may need, but that cannot dangerously affect a general market. It is only when one sells more than he owns, and more than he can deliver, that danger is involved, and that is what is meant above by being "dangerously oversold." Speculators sold, or pretended to sell more than there was to sell. It is the common practice of modern marketing, and it is not only dangerous to the speculators, but it is dangerous to producers and consumers also.

But what developed this dangerous overselling? Let the same paper tell:

> The drop in cash wheat brought about by the recent deliveries of winter wheat farmers caused the latter to shut off their marketing. They certainly have control of their marketings, and the big markets and operators have to take off their hats to the farmers' methods of marketing. That large movement from the interior to the Northwest markets is expected to decrease shortly for the same reason that has been experienced in the winter wheat country, the refusal of farmers to sell at prices below their views.

A movement that, without ostentation, can compel recognition by its worst enemies, needs no further vindication. Farmers CAN control the marketing. They CAN compel an equitable price, and that does not mean a "higher price," but merely a fair price for their products, and they can eliminate the "wind," trading so ruinous to business, and so harmful to both producers and consumers. Would to God the farmers would more fully recognize their own power, and thus act unitedly for the common good.

EFFECT OF EQUITY IN INDIANA

"THE dog that's hit is the one that howls," said Sam Jones. Everybody knew that before Sam Jones said it, but everybody had not thought of it.

Equity has been too long taught in Indiana not to affect the selling habits of the farmers. This manifests itself more perhaps among the wheat growers and sellers than the producers of other crops. In a recent issue of the Modern Miller, a paper devoted to the milling interests, we find the following:

> Wheat is marketed in Indiana in a way peculiar to that state and differs radically from other milling states. The millers of Indiana send out thousands of postal cards to the country stations and farmers, making bids for wheat. These postal bids cross and re-cross the state in a perfect network and the seller either country elevator owner, or rich farmer, sorts his bundle of bids each morning and picks out those which reflect the urgency of the miller's needs. If the miller must have the wheat, and is in distress to fill some big order, he SETS THE PRICE.

The farmer "sets the price!" The direct opposite of this, says the Modern Miller, is customary in other milling states. In other States the grain dealer sends out offers, and the buyer makes the price. The farmers, continues the paper, from which we quote, haul their wheat to the mill or the market point, and accept the prices for that day, instead of having a hat full of bids to accept or reject.

The paper quoted urges the millers to array themselves not only against the farmers in this matter, but against the local buyers also. "The grain dealer is neither a producer nor a manufacturer," says the Modern Miller. "He toils not in the field, neither does he spin; he takes toll." Pretty true; but if the local dealer recognizes the right of the farmer to choose his own time and place of selling, and to have a word to say concerning the price, we do not see how the milling interests are to help themselves.

We have no fight to make on the millers. They have a right to put a selling price on their products. They could not exist without that right. But the producers and owners of wheat ought to have the same right; not irregularly exercised as individual whims, but acting together as an organized, co-operative body, controlled by equity and justice, and obedient to the law of supply and demand. The farmer will produce better and more when he can have an assurance of price, and that will be better for the milling interests as well a sfor the producers and consumers.

Dear Editor:—

When Up-to-Date Farming undertook to free farmers from their exploiters and make them free and independent business men it placed itself at the top of the ladder of good gifts to humanity. For truth and sound sense it is the best I ever read. If it could be placed in the homes of all farmers today I believe the time would have arrived for the closing of all the gambling houses that abound to exploit our crops.

W. J. BALLARD, Owenton, Ky.

What The Farmers Are Doing

Stupendous Results of Soil Production

MR. Federick Emery in the Sunday Magazine, takes a unique way to illustrate the stupendousness of farm production. He deals mainly with the grain crops, and they serve to show what all taken together would mean.

Starting with the fact that the capacity of a standard bushel is about one and one-quarter cubic feet, he figures the bin capacity that would be required to store the various leading grain crops. Assuming that a bin occupied the whole of an average city lot, twenty-five by one hundred and fifty feet. The bin would have a floor space of 3,750 square feet, and every foot of depth would hold 3,000 bushels of grain. To hold the buckwheat crop of one year would require that the bin be five thousand feet high. To hold the rye the bin must be over nine thousand feet, or nearly two miles high. To hold the barley it must be over nine miles high; for the wheat it must be over forty-one miles high; for the oats more than fifty miles high, and for the corn it must be one hundred and ninety miles high!

But suppose the bin had a larger area, and was a mile square, covering a section of land or 640 acres. In such a bin the buckwheat would fill five-ninths of a foot; the rye would fill one foot; the barley five and a half feet; the wheat would fill twenty-three feet; the oats would fill thirty-three and a half feet, and the corn would fill one hundred and seven feet. Therefore, to hold these six grain crops would require a bin that covered a section of land to be one hundred and seventy feet high!

Take still another form of illustration. Suppose this grain was all to be loaded into cars, five hundred bushels to the car and forty cars to the train, the average length of each train being fifteen hundred feet or about two-sevenths of a mile. If the grain could be handled at the rate of one bushel a second, sixty bushels a minute, and there should be no interruption of any kind until all was loaded, it would take about six months to load the buckwheat, a year to load the rye, five years to load the barley, twenty-one years to load the wheat, thirty years to load the oats, and ninety-seven years to load the corn.

The trains carrying the buckwheat would be about two hundred and thirteen miles long; those carrying the rye would be about four hundred and twenty-six miles long; those carrying the barley would be over two thousand miles long; those carrying the wheat would be nine thousand two hundred miles long; those carrying the oats would be thirteen thousand three hundred miles long, and those carrying the corn would be forty-two thousand six hundred miles long.

We do not know how any more forcible illustrations could be drawn. And this is only the farmers' production of the six principal grain crops. When to this incomprehensible production is added the cotton crop, the potato crop, the hay and forage crops, and the hundred and one other crops, the human mind is not broad enough to comprehend the results of farm labor.

And yet the class of people who thus add annually to the most valuable things of earth, to the necessities of human life, are more completely ignored in the business end of their calling than are the people of any other productive industry. They may buy and they may sell. They MUST buy to get things they do not produce, and they must sell in order to be able to buy. When they sell they have to accept the price made by the buyer; when they buy they must pay the price made by the seller. The farmers are powerful in production; they are ciphers, nothing, when it comes to price.

Mr. Emery wrote the article from which we have taken these illustrations to prove that speculators cannot corner the markets and make prices. BUT THEY DO. The farmers know they do, for when they are selling, forcing their stuff on glutted markets, they know they have to take what is offered, or keep commodities for which they have no need and that they produced to sell to enable them to buy the products of some one else—they know the prices are low at that time to become high a little later when there could have been no change in supply or demand. Consumers know that speculators corner the markets, because when THEY buy they must pay a price asked by the seller that is beyond comparison with the price paid the producer, and yet the supply and demand are precisely the same when the consumer buys that it was when the producer sold.

The world knows that speculators corner the markets, when, as in the case of the Patten wheat corner not so very long ago, the price of wheat went to astonishing figures, with no possible change of crop or of consumption.

How do they do it? The world is large. Both production and consumption cover it. Though the grand total is enormous, as the illustrations above show, control of a comparatively small portion, in a center it may be of both production and consumption, may either lock up or flood the markets, as the party in control may will it, to the great injury of producers and consumers, and to the disturbance of business in general by the arbitrary unsettling of values.

And in this, if there were no other argument, we have proof that, in spite of the tremendous aggregate of farm production, farmers can control their marketing, and place themselves side by side with other people in the management of their business. Demand is perpetual. People must eat. From those long trains of imaginary cars, a stream is constantly flowing to satisfy the needs of hunger. It is not necessary to stop all those cars to prevent glutted markets. It is only when they crowd in upon each other that the markets are disturbed and the prices are depressed.

Keep the trains moving. Satisfy the demands of consumption. Let no one turn away unfilled, and let the wants be supplied at reasonable and equitable prices. But when gluts begin to smother demand, and speculation begins to gather the supply into the bins of greed, sidetrack the trains and checkmate the game of accumulation and ungodly gain. This is not in the interest of the farmer alone, but it is in the interest of the consumer of his products as well—it is in the interest of the people of the whole world, if we may except the Bulls and Bears that fatten at the expense of all others.

A Business Without a Profit

THE Northwestern Miller uttered a proverb as wise as any of Solomon's when it said "A business without a profit is no business at all." The expression is found in remarks on what a Kentucky correspondent said concerning the practice some mills have of sending salesmen in territories where they have not had trade, to build up a trade by selling flour and other mill products below the market price. It is not good business. Such a practice may take trade from other mills, and it may add trade to the mill that does it, but such trade is unprofitable and it is not permanent; it seldom lasts longer than the cut prices. The mills whose territory is invaded may feel it necessary to meet the price, and for a time give the customers cheaper flour, etc., but it cannot last, for a business without profit is no business. The business may be demoralized and disturbed for a time; but prices soon go to their legitimate level, and nobody has been benefited. The dumper mill that made the disturbance has gained no profitable trade, the mills that felt compelled to meet it made nothing, and in the long run the customers were not benefited. The reaction generally goes enough above the natural level to even the matter up.

We deprecate the practice, whether by millers or anybody else. There is such a thing as legitimate profits, and adherence to them makes steady business, and that in turn makes quiet living, safe calculations, known incomes and prosperity.

This is what we contend for the farmers, and it is all we contend for. A business without profits is no business. That applies to farming as well as it does to milling or merchandizing. When has the farmer profits; and what farmer, and what per cent? Who knows? Who fixes the rate and determines the profit? Who knows that he has any profit at all? Is that not too uncertain for the greatest business on earth; the one business in all the world upon which all other business depends? Farmers are proverbial dumpers. They sell without regard to time or season or price. They accept the price offered, and usually on the most glutted stage of the market. They take no account of cost, and make no estimate of profit. This is the kind of business we are trying to educate them out of. Farmers are entitled to profits; and they ought to have their business so in hand that they can know their profits, for "a business without profits is no business."

Publisher UP-TO-DATE FARMING,
Indianapolis, Ind.

My Dear Sir:—We would be very glad to have your Journal, Up-to-Date Farming, on our exchange list for the bulletins of this station. We desire to put your journal in the reading room of our college where it will be available to all students. If this is acceptable to you I beg to assure you we will appreciate the exchange.

Yours very truly,
G. N. LAUMAN, Prof. of Rural Economy, New York State College of Agriculture at Cornell University, Ithaca, N. Y.
March 3, 1910.

TIME TO GET A MOVE ON

WE love to quote from other papers to show that the seed which has been so patiently planted during all these years of arduous toil under the most painful difficulties, have grown and are bearing fruit. The farmer and his business and condition are being viewed in an entirely different light, and what was denied a few years ago and ridiculed, is now being acknowledged and approved. Out of this changed sentiment will come a very different agriculture; and it is time the farmers were getting a move on themselves to accomplish what the world now concedes they ought to do.

We clip the following from the Portland, Oregon, Sunday Journal:

To charge farmers with responsibility for the high prices is the unkindest cut of all. There is not a farmer in the world that fixes the price of a single article that he produces. He is forced to sell at the figure the collective buyers are willing to give. If over abundant, his potatoes, throughout all time, have gone for a pittance or rotted on his hands; if scarce he has sold them at a living price, or even at a fair profit. The same has been true of his wheat, his apples, and everything else that he has produced. He is unorganized and can no more fix the price on his products than a cow can jump over the moon.

He has never been able to combine and restrict the output as a means of inflating prices, as is done by trustdom. With cheerfulness and trustfulness, he sends his wares to market, and pockets the check that comes back, whatever it may be. Then he turns back to the soil, grows more products and sends them off for another check. This has been his routine through life, and he has, as far as artificial processes are concerned, no more been a factor in fixing prices than in fixing the length of the tail of Halley's comet. He gets no more for his beef now than he got then, but at the White House today they are paying 20 per cent and upwards more for steaks and roasts than was paid by Roosevelt and McKinley, which shows that it is otherwhere than on the farm that foodstuff prices have been inflated.

But in some places where true Equity has been taught, and the doctrine of controlled marketing has been put to practice, farmers have shown very clearly what they can do, and they owe it to themselves and the world to perfect their system. It is, therefore, time for farmers to get a move on themselves. The whole world now acknowledges that they are doing business at a disadvantage, and what they have already accomplished is proof that they can change these conditions. When the change becomes universal, and price-making and marketing are based on equity, none will rejoice more at the change than will the users of farm products, or rather the foods into which they are converted.

Up-to-Date

TO ELIMINATE FOREST LAND

ON the recommendation of Secretaries Wilson and Ballinger, about four million acres of land is to be taken from the national forest reserves, and restored to the public domain. This is not farming land, we are told, though some of it may be used for what is called dry farming. It is almost all grazing land, and opens up another chance for the ranchmen. Of course, these range cattle compete with farm grown cattle, and that competition in the past has been so sharp as to discourage farm stock raising, and is no doubt responsible for the unpreparedness of the farmers to meet the situation when the ranges failed. But, since the shortage of meat stock is so marked now, we presume farmers need not much fear the competition that will grow out of the opening of these new ranges. In fact it is the duty of the farmers to fully supply the needs of the people when they are offered equitable compensation therefor. When they find themselves unable to do that, as in the case of live stock at present, they should gladly welcome necessary aid from whatever source.

But opportunities handed out from Washington have proven so nearly always salted down with advantages for the forces of graft and concentrated greed, that the people have justly become suspicious of almost every action of this character. Watch the packing houses and these new ranges.

Up-to-Date

SIZE OF CROP AND PRICE

KENTUCKY is one of the corn states of the Union, though it ranks but 9th in corn production. Two of its crops, however, illustrate what has been so often proven that the value of the crop to the producer does not always depend upon the yield or the size of the crop. The corn crop of Kentucky in 1905 was 94,000,000 bushels, which at the average prevailing price, was worth $40,000,000. The crop of 1908 was 84,000,000 bushels, ten million bushels less than the crop of 1905, but, at the average prevailing prices, the crop of 1908 was worth $55,000,000, fifteen millions more than the larger crop of 1905. Yet the one thing constantly urged by the speculating world is greater production—always greater production.

Will The Farmer Do Anything

IT is said you may lead a horse to water, but you cannot make him drink. Sometimes we are almost ready to feel that way about farmers. The organizations and combinations that affect their business are growing stronger all the time, and so far as marketing their stuff is concerned the farmers are becoming more and more helpless, except in localities where controlled marketing has been adopted, and is being carried out, imperfectly though it may be.

Only very recently there was organized in Chicago what was called "The Council of North American Grain Exchanges." This is a combination of the principal grain exchanges of the United States and Canada, and the object of the combination is fully set forth in the following published extract from the constitution:

"To extend the efficiency and usefulness of exchanges trading in agricultural products; promote uniformity in custom and usages; facilitate the adjustment of business controversies that may arise between members of various exchanges; encourage wise and helpful legislation, enlighten the general public as to the important service rendered by exchanges in handling agricultural products; cultivate reciprocal relations between the trade of North America and that of other countries; to obtain by affiliation those greater legitimate advantages unattainable by separate and local effort and to generally advance the welfare of the grain trade and its allied interests and those engaged in handling grain and the marketing and consumption of agricultural products."

Language could scarcely be more explicit. "To promote uniformity in custom and usages"—what one does all will do; the price fixed will be adhered to by all "To encourage wise and helpful legislation"—secure laws that will give them greater power and advantages, and to see to it that no laws are enacted that will interfere with their operations. "To enlighten the general public as to the important service rendered by exchanges in handling agricultural products"—to keep the newspapers full of laudatory articles, and not allow the publication of the facts concerning the exchange methods of making prices that may be paid the farmers and also that shall be charged the consumers.

And so on. Not a word as to the interests of the farmer. It is enough for him to plow and plant and cultivate and harvest and market, but what is there for him in the commercial world with this tremendous combination to levy on his products at its own price even before those products leave the fields where they grew?

But a different sentiment is manifesting itself throughout the country, and is appearing in unexpected quarters. The agitation of the past few years has produced effects, and the farmers are being appreciated as they never were before. In proof we copy the following, from the Philadelphia Record, one of the most influential papers of the East:

It is the farmer whom we must depend upon. He digs the ground, and scatters the seed, and reaps the harvest. When there are too few of him all other workers in all other forms of industry languish and go hungry. A glimmer of these truths is at last dawning upon the public mind. As the nation has grown into such bulk of numbers that its capacity for consumption of farm products has nearly overtaken actual production there is a sudden realization of the future possibility of undersupply. This state of apprehension has been further quickened by the general alarm created by the high cost of living.

One good result must follow. From this time forth the farmer will be better appreciated. Heretofore he has been the foremost of our burden bearers. While he has been taxed other interests have been coddled. The exports of farm products have brought untold wealth into the country. The farmer has thus paid for all our imported necessities and luxuries, at the same time bearing the brunt of domestic taxation for the building up of industries unable to prosper without extraneous help. These suckling infants, so nurtured, have grown into stalwart, grabbing giants whose unabated greed has become a source of common danger. The nation turns to the farmer for rescue. It is generally conceded that he must dig a way out of our difficulties.

After reading that extract every farmer should feel anew not only the greatness of his calling but the weight of his responsibility to the world. So long as individualism prevails in farming such combinations as that mentioned above will dominate the trade in agricultural products, hold the farmers helpless beneath the uncertain load of arbitrary price, and crush the rest of the world under the burden of prices carrying princely profits to the combines.

It is up to the farmers to justify the better sentiment that is being aroused concerning them, to marshall their own powerful strength, and bring the living necessities that first belong to them alone, by a less circuitous and less profit carrying route to those who must have them. And when they do that they will be abundantly able to increase production to meet no matter how great a demand.

Senator McCumber and Farm Prices

SENATOR McCumber of North Dakota, confirms the position of UP-TO-DATE FARMING that if food stuffs were sold to consumers at a reasonable advance over the prices paid the farmers, high priced food would disappear from the market, and the increased cost of living would cease to be a subject for discussion. Taking the Senate restaurant as a sample, the Senator gave the price of steak as from $1.15 to $3; a tenderloin about the same, and a porterhouse at from $2 to $4. For the steer from which these steaks were cut the farmer received from $60 to $80, and the profits on the meat are almost unthinkable. Senator McCumber argues that, at such prices for steak, $2,500 could have been safely paid for the steer.

Two slices of bread, said the Senator, cost him ten cents, and that made a rate of 50 cents a loaf. Flour from a bushel of wheat will make 75 loaves. The farmer gets $1 a bushel for the wheat; the bread made from it costs the eaters $37.50. Hashed brown potatoes costs 30 cents for a double order, about enough for a single meal. At 30 cents a bushel, about the average price paid the farmer, this shows a profit of some 4000 per cent. In other words, the farmer gets 30 cents a bushel for potatoes; the eaters pay for them in the restaurant about $12 a bushel.

It will be observed that Mr. McCumber gets his figures from the Senate restaurant, where prices are notriously high, but they serve to show the general relationship of prices paid the farmers and prices charged the eaters; and we again give farmers fair warning that when the reduction comes it will fall heaviest on them. The inequitable relation between buying and selling prices will continue. Greed makes both these prices, and greed, having the power, will satisfy itself. In self-defense, farmers ought to be in a position to take a hand in the price-making; and eaters everywhere, also in self defense, ought to aid them in that effort. Too great a gulf of profit intervenes between producer and consumer.

Too Much Profit

IT is entirely proper to continue to ring the changes on excessive profits. The people must be aroused. There is taking place a concentration of wealth that bodes no good to popular rights or equal privileges and opportunities, and that means the imperiling of liberty and republican government. Great nations of the past became strong and prospered until the common wealth was absorbed by the few. Then came disaster, national decay and revolution; the last chapter in their history generally written in blood.

It cannot be denied that we are traveling the same road so far as concentration, centralization, and absorption of the general wealth are concerned. Hence it is the duty of those who talk with the public to call attention to the unmistakable marks as we pass by them. We have done so in the case of many of the giant corporations and combines, not that we have prejudices against money making institutions, or that we envy men of wealth, but because liberty and civilization cannot exist where only a few possess all the wealth.

About the middle of February the Standard Oil Company of New Jersey, declared a dividend for the quarter amounting to $15 per share of its stock. That dividend, it is said, gave John D. Rockefeller as his share of the three months profits of the corporation $4,050,000. Since 1898 this corporation has distributed in dividends $451,722,000, of which, it is said, Mr. Rockefeller received $118,179,540. Since 1882 the profits of this concern have been one billion one hundred million dollars.

It is not a question of whether the products of this corporations are sol dcheap enough, or whether the people are required to pay too much for coal oil, etc.; it is a question of the concentration of wealth. A few will soon own the resources of the country, and then they will own the country; and once more the last chapter of a nation's history will be written.

WHERE THE STUFF IS HELD

WE have little faith in any good results to come of the work of the Congressional committee appointed to investigate the increased cost of living. When any investigation points toward the uncovering of the practices of any of the big interests, the appointment of the committee is the first thing atended to. That being done, the investigation may well be left to take its course.

But the general agitation will bring to light things that were never suspected by the public. It is now declared that official figures show that very recently there was held in 558 cold storage establishments 14,000,000 cattle, 6,000,000 calves, 25,000,000 sheep and lambs, 50,000,000 hogs, 1,800,000,000 eggs and 130,000,000 pounds of poultry, besides great quantities of fruit and other commodities. What is this enormous supply held up for? Talk about people holding stuff for higher prices. Who is doing it? What would become of the shortage were all this stock alive and in the feed lots? And what would become of prices were all this stuff suddenly thrown upon the market?

The farmers dumped it all along through the years, accepting whatever prices were offered. The packers bought the live stock, slaughtered it and froze it down, and other combines bought the poultry and eggs and froze that down also. They can thus in the midst of plenty starve the people into paying whatever prices the greedy combines may ask.

The farmers and not the combines must control the marketing, keep the stuff out of cold storage only as it may be held for emergency calls, and let it go direct to the supply of the demand. All in favor say AYE. Will you act it as well as vote it?

PANICS AND THEIR PREVENTION

Editor UP-TO-DATE FARMING:

For nearly a century, every period of twenty years has been marked by a serious financial panic. There was a panic in 1837, in 1857, in 1873, and in 1893. The next twenty-year period will be completed in 1913. Is there no way for the government, the States, or the banks themselves, to insure the bank deposits, and thus prevent the fright that results in the panics? If a remedy can be found for bubonic plague, tuberculosis, yellow fever, and other physical ills, why can't we find a remedy for this financial plague? Please tell us how to stir Congress up on this subject. A FARMER.

Our correspondent forgets the panic of 1907, from which the country has not yet fully recovered. All the panics have come as the result of financial legislation by congress, or have been forced upon the people by the financial institutions. That of 1907 was of the latter class. That of 1857 was mainly so.

The panic of 1837 followed the demonetization by act of the American congress of all foreign coin in circulation in this country. This reduced the monetary circulation in the United States and precipitated a panic. The paper circulation was then turned over to what were afterwards called "wild cat banks," and the country was soon flooded with this "wild cat" paper money, that had nothing behind it; notes printed like money and signed often by parties with no responsibility whatever. As these so-called banks became known to the business world, the paper failed ,and was followed by the panic of 1857.

The panic of 1873 was caused by the contraction of the circulation of the treasury notes or greenbacks and the demonetization of silver. Arbitrarily restricting the circulation of government paper money, and abolishing one of the legal money metals, disturbed and reduced the circulating medium and precipitated the panic.

The panic of 1873, perhaps the worst the country ever had, was tided over by stopping the contraction of the greenback circulation, partially remonetizing silver, and enacting the Sherman law, which provided for the purchase by the government of silver bullion, to be paid for with government paper. This act, though not very commendable, increased the money circulation and made times better. The silver purchase clause of that act was repealed in 1893, and then came the panic of that year.

The panic of 1907 was purely a bankers' panic. There had been no disturbing legislation, and there was more than a normal circulation of money. The banks, however, called in their loans and locked their coffers. Business was paralyzed, and the panic followed.

Remedy—THE GOVERNMENT ALONE SHOULD CONTROL THE MONEY CIRCULATION OF THE COUNTRY.

Bank security for deposits would be a palliative and precautionary measure, and one would think, judging from their own methods of dealing with their customers, they would be willing to provide such security, but they are not.

To "stir" congress up on any question, the people must let the congressmen know that they mean it, that they will or they won't and that the record made by men in congress, rather than the party name, wins or loses votes. The farmers of the country, being recognized as the great conservative class, have, perhaps, the greatest responsibility in the matter of holding officials to account.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



GOOD crop prospects, notwithstanding bad reports, and the approach of the busy farm season which caused a liberal marketing of grain, have caused decided declines in prices. It should always be kept in mind, however, that it is impossible to guage the next harvest by present conditions. If they are bad in many places the damage may largely be remedied, or if they are exceedingly rosy a bad season, insects, or blight may soon change them to gloomy ones. Commodities will bring *their values* if they are held for them. Therefore we advise holders of grain to not get panicky because speculators want to get prices down in the basement so they can load up cheap when the new crops come.

Reports on winter wheat are generally favorable. We do not mean to say that there are no sections where there has been winter damage, but such sections do not seriously affect the whole situation. It is estimated that about 25 per cent. of the 1909 wheat is still held March 1st., by farmers—186,000,0000 bushels and about 40 per cent. of the corn crop—1,045,000,000 bushels is held which is practically the same proportion as a year before.

The wheat visible has decreased moderately, but corn shows a large increase while oats changed very little. Wheat declined about 6c a bushel, corn 5 to 6c, and oats 1 to 2c. Hogs, sheep and poultry ruled the highest in 40 years. Potatoes are lower. New crop, futures, wheat is being dealt in under the dollar mark and new crop corn at around 40c. The speculators evidently believe all the dumpers have not been converted and they are probably correct. The figures that follow tell the story:

VISIBLE SUPPLY

The visible supply of wheat in the United States, by Bradstreets reports, on February 26, was 32,634,000 bushels. That was 1,193,000 bushels less than two weeks before, 13,975,000 bu. less than a year before and 9,733,000 bu. less than two years before.

The visible supply of corn on the same date was 23,809,000 bushels. That was 5,219,000 bushels more than two weeks before, 10,649,000 bu. more than a year before and 8,066,000 bu. more than two years before.

The visible supply of oats on the same date was 13,946,000 bushels. That was 208,000 bu. more than two weeks before, 470,000 bushels less than a year before and 789,000 bu. more than two years before.

The visible supply of barley on the same date was 4,518,000 bushels. That was 206,000 bu. more than two weeks before, 802,000 bu. less than a year before and 1,057,000 bu less than two years before.

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	Feb. 25, 1910	Feb. 18, 1910	Feb. 26, 1909
American	5,286,276	3,370,203	4,348,623
Other kinds	1,322,000	1,296,000	1,148,000
Total	4,608,276	4,666,203	5,496,623

Price of cotton, New York, March 5.—Middling upland, 14.75c; Middling gulf, 15c. Cotton is one-fourth cent pe. pound higher than two weeks ago.

PRCES OF CASH GRAIN

The closing prices of cash grain in the principal markets on March 5th, with comparisons, were as follows:

CHICAGO—Wheat, No. 2 red, $1.18@1.20; two weeks before, $1.24@1.26. Corn, No. 3, 59½@60½c; two weeks before for No. 2, 64@66c. Oats, No. 2, 46½@47c; two weeks before, 47¾@49c.

ST. LOUIS—Wheat, No. 2 red, $1.24½; two weeks before, $1.23@1.25½. Corn, No. 2, 59½@64c; two weeks before, 63½@66c. Oats, No. 2, 46½@48½c; two weeks before, 47@49c.

KANSAS CITY—Wheat, No. 2 red, $1.16@1.20; two weeks before, no quotation; No. 2 hard, $1.07½@1.10. Corn, No. 2, 59¾@61½c; two weeks before, 61¾@63c. Oats, No. 2 white, 46@48c; two weeks before, 46@48c.

CINCINNATI—Wheat, No. 2 red, $1.20@1.22; two weeks before, $1.25@1.28. Corn, 61@61½c; two weeks before, 65@67c. Oats, 47½@48c; two weeks before, 50@50½c.

NEW YORK—Wheat, No. 2 red, $1.28; two weeks before, $1.30. Corn, No. 2, 67c; two weeks before, 71c. Oats, No. 2, 51@53c; two weeks before, 525½@55c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.12⅞@1.13⅞; two weeks before, $1.15@1.16. No. 1 Northern spring, $1.12⅝@1.13⅜; two weeks before, $1.14½@1.15½.

FUTURE PRICES OF GRAIN

Chicago Futuers closed March 5th, as follows:

WHEAT—May, $1.12⅝; July, $1.03¾; Sept., 99⅞c.

CORN—May, 63⅛c; July, 65c; Sept., 65½c.

OATS—May, 45c; July, 42¾c; Sept., 40¼c.

CHICAGO PRODUCE MARKET

(March 4th.)

POTATOES—A somewhat unsettled feeling prevailed. Sales indicated a steady to firm market. Trading was active over a range of 30 to 38 cents. Buyers were looking for fancy stock, demand for others was tame. Offerings were ample.

Arrivals by cars, with comparisons, follow:

	This week	Last week	Last year
Monday	126	99	115
Tuesday	39	78	75
Wednesday	59	32	43
Thursday	56	12	62
Friday	49	66	49
Total, 5 days	329	287	344

Prices—Minnesota, Wisconsin or Michigan, good to choice, white, 35@37c; ordinary to fair, 30@33c; common, 30@32c. The price was about two cents a bushel lower than two weeks before.

HAY—Receipts, 1,051 tons shipments 60 tons. Demand good for both timothy and Prairie hay. Offerings small.

Price—Choice timothy, $18@19; No. 2 timothy, $16@16.50; prairie, $14.50@15. The price is practically the same as two weeks before.

BEANS—Pea beans easy, meeting with only a light trade. Fairly good stocks on hand and holders offering freely. Red kidneys scarce and firm.

Price—Choice hand picked Pea beans, $2.20; prime, $2.15. Red Kidney, $2.90@3.10. The price of Pea beans is 2c a bushel lower, of Red Kidneys a little higher.

APPLES—The market was without change. The supply of fancy apples is light and they are held firmly. Common to medium grades steady with liberal offerings. The main supply is now coming from coolers.

The price is the same as two weeks before except Kings are worth 25 to 50c a barrel more and Baldwins 50c a barrel more.

EGGS—Demand active, trade large, both on local and outside account. Receipts continue large, but all meet with fair sales. Dealers manifest confidence in the present prices holding.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week Cases.	Last week Cases.	Last year Cases.
Monday	6,995	8,698	8,438
Tuesday	9,957	*...	11,744
Wednesday	5,521	17,885	10,484
Thursday	6,196	3,344	8,786
Friday	4,232	6,582	8,232
Total	32,901	36,509	47,684

*Washington's Birthday.

Prices—The following quotations were established by the Butter and Egg Board. Miscellaneous lots, cases included, 19@20½c; ordinary firsts, 19c; prime firsts, 22c.

MISCELLANEOUS NEWS

Grapes in Michigan, New York and Ohio have been handled for a few years by several associations in each section. But the New York growers are likely to get together so that the entire crop can be sold through one central sales department. That is right. The next step should be for the growers in the three states to unite when their problems can be solved.

Florida is marketing its crop of strawberries, lettuce, celery, tomatoes and other early vegetables.

The outlook for a federal law against dealing in futures is not good.

The Hudson County, N. J., grand jury, on Feb. 25, returned indictments against twenty-one prominent packers charging a trust to unlawfully limit the supply of meat and poultry.

About the same time that the packers were indicted in Jersey City, eight of the seventeen directors of the Consolidated Milk Exchange were indicted by a grand jury in New York City. It is charged that they met June 29, 1909 in New York and "conspired together and with others to fix the wholesale price of milk and did fix it at $1.41 for a forty-quart can of milk."

What do farmers think of the following refering to eggs and taken from the "Produce Market News" of an Indianapolis daily of March 7th.

"A letter from a New York commission house says: 'Our market, with very large arrivals, has declined, and while, of course, we will have slight changes from day to day, we think we are heading toward lower values, and, in our judgment, we will have lower values this spring than we have had for some time. The East is very conservative, and will not take eggs at the high prices of last year, and we think this spring will be your opportunity and we advise you to pound your prices right down and keep them down, because you have been giving everything to the farmer and now is a chance for you to make some money."

Exports of apples from the United States and Canada for the week ending Feb. 28, were 92,300 barrels which was 42,404 barrels more than the week before.

A dispatch from Maine is to the effect that the acreage of potatoes in that state will be very greatly reduced this year, because of the unexpected low prices encountered late in the season, when a rise in values was expected.

Reports from all southern potato growing sections are unanimuos for an increased acreage. The early crops sold at very high prices last year, while the reverse was the case with the late northern crops. The large southern acreage will most likely be a factor in determining the price of the last run of the old crop.

The civil war high mark for hogs was 10.25 a hundred weight. This has been surpassed recently as choice hogs sold in Indianapolis on March 1st at $10.50. The price March 7th was $10.35 at Indianapolis, $10.30 at Chicago and $10.50 at Columbus, Ohio.

It is not generally known that Indiana leads all the corn states in production of that cereal, per acre. While Indiana was 9th. in acreage in 1909 she was 4th in production. Her average per acre is 4.1 bushels greater than Ill.; 8.5 bushels greater than Iowa; 13.6 bushels greater than Missouri and 20.1 bushels more than Kansas. These figures are deduced from the government reports and should set farmers and their teachers to thinking.

The per capita consumption of wheat is about 6 bushels. An advance of 25 cents a bushel is $1.50 increase in the cost of living in a year, on account of bread and other wheat products.

The imports of farm products into the United States reached the highest point in 1907—$627,000,000. The 1908 imports were $540,000,000 and the five year average, 1901-1905, was $455,000,000.

The exports of farm products from the United States in 1907, also in 1908 exceeded $1,000,000,000 each year. The average exports, 1901-1905, was $875,000,000. The heaviest export was in cotton; next, grain and grain products, and third packing house products.

A minimum tariff agreement on the part of both countries has been arranged between the United States and Germany.

A dispatch from Dentou, Md., is as follows: "Armour & Co., of Chicago have announced that they will locate a canning factory at this place. * * * Growers of fruit and truck are elated because they believe they will find a better market especially during the latter part of the season for berries and vegetables." If this is true it shows the trend of events and how farm products are gradually and surely going under the control of strong combinations of capital.

Kansas has a law that should be copied by all other states that grow fruit extensively. That State makes it compulsory for farmers to spray orchards infested with San Jose scale. Failing to do so, the State will perform the services and charge the cost against the orchard on the tax roll. Itis said: the authorities are alarmed at the spread of the pest and are determined to stamp it out regardless of cost.

Watsonville, Cal., in Santa Cruz County, claims to be the banner apple shipping station in the country. Report says that 2,800 cars were shipped from there this season equal to 448,000 barrels. Estimating the crop of the country at 2,000,000 barrels, this one point produces nearly one-fortieth of the total crop.

BULLETINS

U. S. Dept. of Agriculture, Washington, D. C.—Circulars: No. 45, The Utilization of Pea Cannery Waste; No. 48, The Present Status of the Tobacco Industry. No. 116, The Larger Corn Stalk Borer; No. 696, Variegated Alfalfa. Bulletins; No. 383, How to Destroy English Sparrows; No. 384, Experiment Sta. Works LV.

House of Representatives, Committee on Agriculture, Washington, D. C.—A Report on "The Influence of Forests on Climate and on Floods."

Arizona Agricultural Ex. Sta. Tuxson—Bulletin No. 61, Relation of Weather to Crops and Variaties Adapted to Arizona Conditions.

Connecticut-Stors Agricultural Experiment Station, Stors, Conn.—Bulletins; No. 58, "Camembert Cheese Problems in the United States;" No. 59, "Bacterium Lactis Acidi and Its Sources." Report: Fertilizers.

Indiana Experiment Station, Lafayette, Ind.—Circular: No. "10 "The Use of Fertilizers on Indinaa Soils." Bulletin: Announcement of Winter Courses in Agriculture. Report: Twenty-second Annual of the Station.

Kansas Experiment Station, Manhattan, Kas.—"Twenty-first Annual Report of the Station."

Maine Experiment Station, Orono, Me.—Circulars: No. 368, Official Inspection; No. 376, Seed Potatoes and Late Blight; No. 375, Certain Diseases of Maine Potatoes and Their Relation to the Seed Trade. Bulletins: No. 169, Two Epidemics of Potato Blight and Rot; No. 171, The Pine-Leaf and the Green-Winged Chermes.

Mississippi Experiment Station, Agricultural College, P. O.—Bulletins: No. 120, "Farmers Institute Bulletins;" No. 76, "Beef Cattle."

Missouri State Fruit Experiment Sta., Mountain Grove, Mo.—Bulletin: "Spraying Apples for Curculio anod Codling Moth."

New Hampshire Experiment Sta., Durham, N. H.—Bulletin: "A Study of Farm Butter Making in New Hampshire."

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THE TURNING POINT

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He labored early, labored late,
But never read in UP-TO-DATE.
A friend induced him to subscribe,
And leave the dumper's sullen tribe.
And now he smiles from ear to ear,
For things get better every year.
The turning point was, so he'll state,
When he subscribed for UP-TO-DATE.

A STUDY OF FERTILIZERS

THE farmers of the country, and especially the farmer boys, are no doubt studying fertilization of soils more than they ever did. The world is beginning to realize that the lands heretofore devoted to crop production must henceforth be divided between the production of crops and the growing of live stock. That means that the yield per acre must be increased, and to do that there must be increased fertility.

The three essential elements of productivity are nitrogen, phosphorus or phosphoric acid and potash. Where there is a lack of nitrogen in the soil the plants look sickly, make little growth, and are apt to have a pale or yellowish tinge instead of the dark green that means a healthy, vigorous plant. Hence it may be said there must be nitrogen to promote the growth of the plant itself.

Phosphoric acid is necessary to the growth and development of seed. The grain crops especially require land rich in phosphorus, but they need the nitrogen also, because a sickly stalk and puny foliage cannot produce a yield of grain. If the plant, however, make a fine growth of stem and leaf, but produces light, chaffy grain, it may be taken for granted the soil is deficient in phosphorus, though it may be rich in nitrogen.

Potash is needed in the formation of starch. Hence plants containing starch require soils rich in potash. Of such are the potato, turnip and cabbage. Also in almost all seeds there is more or less of starch; especially so in the grains. Hence lands deficient in potash are deficient in seed production, and cannot be depended upon for good yields of grain.

Of course other elements enter into plant construction, but those elements are generally found in necessary quantities, so that there need be little concern about them. Another thing, however, is necessary to good production, and that is humus. Humus is decayed vegetable matter. It is not really a fertilizer; it may rather be called an element of condition. It keeps the earth loose and mellow and porous. Like a sponge it absorbs moisture, and like a sponge it retains it, but not in quantities sufficient to make mud, but to maintain the moisture so necessary to plant growth. No matter how much of the elements of plant food the soil may contain, it is not available without moisture. The plants absorb the food through the tiny rootlets which are their feeders, and this they can do only when the moisture is exactly right, the soil neither too wet nor too dry. The humus is a marvelous regulator of this moisture. Without it the plants are very likely to be sick because of too much water or because of not enough water.

Nitrogen, phosphorus, potash, humus. If you are sure of these in the soil, plant almost any crop with confidence.

THE FARM IMPLEMENTS AND HARNESS

WE are out of patience with slipshod methods. There is a demand everywhere for farm products, and writers and statesmen are eulogizing farming as a business, and speaking in the highest terms of the farmer himself. We concede this is a common thing among the politicians during campaigns, but it is now coming from a different class of people, and the sentiment, based on truth, is flowing deeper in the public heart.

Hence old foggyism must be shoved off the farm. Methods that attracted no attention and that nobody cared for some years ago, are now looked upon with mingled derision and pity. "Old things are done away; behold all things are become new" or nearly so.

But we only proposed this time to talk of farm implements and harness. Farmers can no longer afford to use these things as they "happen to be." They may have been put away at the close of last season in not a very good condition, and no time may have been found since then to give them an overhauling for repair. Work time is again on. Are they once more to go into the fields in a "disorganized condition?"

Take time to repair everything. It may not be necessary to buy new implements or new harness. We do not favor that except when the demand is imperative; but we urge to keep these things in repair. Broken and knotted harness is always an offense to the eye and a menace to the team, and rattletrap implements are an insult to the progressive spirit of this century. Often a half hour's work on a set of ragged harness would make them nearly as good as new, and an hour or two brightening up and repairing, yes, and painting, plows and other implements give the whole farm work a new aspect. Put things to rights. It pays.

DEFENDING THE FARMERS

IN the matter of high prices farmers need no defense, but it is a fact that in spite of the proofs that have been offered, thousands of persons in the shops and factories, and in the cities generally, believe the farmers are directly responsible for the high prices they are required to pay for provisions. Some people that ought to know better make the same complaint, whether they believe it just or not.

For instance, it was not long ago reported from the West that farmers were holding their wheat for $1.25 per bushel. Whereupon a western paper declares such a thing is outrageous, and charges present high prices of wheat and other foodstuffs entirely to the farmers, and is unsparing in condemnation of farmers that would presume to keep their products off the market in the conditions that now prevail. An Ohio paper takes the matter up in defense of the farmers:

But why should farmers not hold their products to avoid any glut in the market and resultant depression in price? Why should wealthy dealers and speculators be allowed to get possession at comparatively lower prices than demand creates, and hold them for advanced prices? Is it more outrageous for farmers to hold products than dealers? Just now nearly 13,000,000 bushels of wheat are held up at Buffalo, on lake freighters and waterfront elevators. This mammoth bulk of wheat belongs to dealers, and the report says, "it is to be sent east as occasion demands." The advance in price, created by this holding, goes into the pockets of a few dealers. Would it be more wrongful for the thousands who raised the wheat to hold it for the same purpose—to hold it until it is really demanded, when it will bring a proper price?

Very true indeed. It is not the wheat held in the bins of the farmers that is making the shortage, but the wheat bought up at last summer's glutted market prices, and is now held in elevators and other places of storage—held in reality for higher prices. A dollar and a quarter a bushel is not an excessively high price for wheat in farmers' hands, compared with the present general level of values, and farmers may justly ask that price. If consumers could get their bread at a price equitably based on $1.25 per bushel for wheat, there would be no just cause for complaint of high prices.

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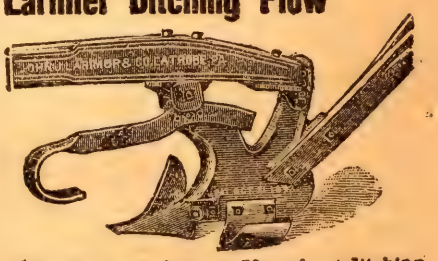
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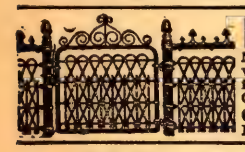
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THE FARMER ENTITLED TO CREDIT

SPOKANE, Washington, has a farmer for mayor; that is, a man who used to be a farmer, and, unlike so many who get into official station, he has not forgotten the affairs of the farm, nor has he turned his back upon those who cultivate the farms. Mr. J. J. Hill, the railroad magnate, from whom we have published some very sensible things, recently made the sweeping assertion that the high cost of living is chargeable to the extravagance, carelessness and lack of thrift of the agricultural classes of the country.

Mayor Nelson S. Pratt of Spokane, would not stand for that, and says in reply:

"I am more than surprised that a man with the understanding and observation of Mr. Hill should undertake to make such broad charges in view of the fact that the methods of a quarter of a century ago are not to be compared to the present system of farming. There is nothing to bear out Mr. Hill's contentions.

"It is not overstating the case when I say that the modern grower conducts his farm along the same lines that prevail in a well organized business establishment, and as a result he is not only making a good living and educating his children, but is also putting money into improvements, as well as into the bank.

"It is idle talk to charge the high cost of living to the farmer, as it must be plain to any one who has studied the subject that at least three causes contribute to increasing prices of the necessities of life. The large production of gold during the last few years is an important factor, in that it has resulted in making money cheap, and, to a great extent, no doubt, is responsible for increases in prices. Cheap money means high prices.

"Perhaps the greatest factor in the high cost of living is the tariff, which enables manufacturers to combine and compel the consumers to pay enormous and unreasonable prices. Such farm products as beef and pork are controlled entirely by the so-called 'Beef Trust,' while butter, eggs, cheese and poultry are handled by cold storage companies and kindred combinations, and the prices of cereals are fixed largely by the speculative boards of trade.

"As a matter of fact, while in the Mississippi valley a short time ago I found that the prices of butter, eggs, cheese and poultry are nearly as high there as they are on the Pacific coast, where the demand at present is far greater than the supply. I also learned from reliable sources that these products are almost entirely controlled by combinations and not by the producers.

We congratulate Spokane on having such a mayor, and the farmers on having such a defender. All we ask is fairness. The farmers are doing well. They are learning more and more every year. Give them fair and steady prices for their products, and they will increase the yields. Their greatest defect now is in marketing. They should keep their stuff away from the trusts, and sell at reasonable prices as demand requires it.

DRY FARMING IN THE UNITED STATES

Dry farming is being practiced to a considerable extent in some sections of the West, particularly in Eastern Oregon and also in Montana and Idaho. It is stated that nearly three million bushels of wheat were produced in the Columbian Basin at places where the annual rainfall is less than eighteen inches. In Eastern Oregon it is stated that ten bushels of wheat per acre is produced on land which has but nine or ten inches of natural rainfall. Briefly, the system of dry-farming is as follows:

Early in the spring the land is disced, and the smoothing harrows used to fine the soil and maintain a mulch until the time of ploughing. This early cultivation conserves moisture and kills weeds. Late in spring, the land is ploughed and harrowed immediately. Through the summer enough cultivation is given to conserve moisture and kill weeds. In connection with the ploughing, some farmers use a sub-surface packer, to make firm the lower part of the furrow slice. This packing has the effect of preventing the soil, stirred by the plow from drying out. Usually the moisture is near enough to the surface to germinate wheat early in September, though there may be no autumn rains. In some of the drier districts, and also where moisture has not been conserved, autumn rains bring up the grain. In the driest sections, where it is difficult to secure a stand in autumn, spring seeding is largely practiced. Wheat is the principal dry land crop, but barley, potatoes, and alfalfa also produce good crops.

CORN IN KANSAS

THEY raise corn in Kansas, and if we may judge from the following, which is said to be a letter written from that state, they raise something in Kansas besides corn, something that is neither planted nor cultivated:

"Most of Kansas streets are paved, grains of corn being used for cobblestones, while the cobs are hollowed out for sewer pipe. The husk, when taken off whole and stood on end makes a nice tent for the children to play in. It sounds queer to hear the feed man tell the driver to take a dozen grains of horse feed over to Jackson's livery stable. If it were not for soft, deep soil here I don't see how they would ever harvest the corn, as the stalks grow up as high in the air as a Methodist church steeple. However, when the ears get too heavy their weight presses the stalk down in the ground on an average of ninety-two feet; and this brings the ears near enough to the ground to be chopped off with an axe."

A Free Book on Spraying

A most reliable and interesting treatise on spraying and one which should be in the hands of every farmer and fruit grower is that published by the Goulds Manufacturing Company, entitled "How to Spray—When to Spray—What Sprayers to Use." This book tells just the proper time to spray most effectively for all kinds of insects, fungi, etc., and contains complete formulas for the preparation of all spraying mixtures. The fruit grower who has it and follows its instructions cannot "go wrong" in the work of spraying. Just send request for same on post card or by letter to the Goulds Manufacturing Company, 95 W. Fall St., Seneca Falls, N. Y., and they will gladly mail to you this valuable book free of all charge.

OPTIMISTIC PHILOSOPHY

Some time ago there was a flood in British Columbia. An old fellow who lost nearly everything he possessed was sitting on the roof of his house as it floated along when a boat approached.

"Hello, John!"

"Hello, Dave!"

"Are your chickens all washed away, John?"

"Yes, but the ducks can swim," replied the old man.

"Apple trees gone?"

"Well, they said the crop would be a failure anyway."

"I see the flood's away above your windows."

"That's all right, Dave. Them winders needed washin, anyway."

HE UNDERSTOOD AN ANTHEM

An English sailor who had been to a church service, where he heard some fine music, was afterwards descanting upon an anthem which had given him great pleasure. A listening shipmate finally asked:

"I say, Bill, what's a hanthem?"

"What?" exclaimed Bill. "Do you mean to say you don't know what a hanthem is?"

"Not me."

"Well, then, I'll tell yer. If I was to ask yer, 'Ere, Bill, give me that 'andspike,' that wouldn't be a hanthem. But if I was to say, "Bill, Bill, Bill, give, give, give me, give me that, Bill, give me, give me that 'and, give me that 'andspike, spike, spike. Bill, give me that, that 'and, 'andspike, 'and, 'andspike, spike, spike, spike. Ahmen, ahmen. Bill give me that 'andspike, spike. Ahmen!" why, that would be a hanthem."

IT WAS THERE

"Did you have company last night, Bridgett?"

"Only Aunt Maria, mum."

"Tell your Aunt Maria she left her half-burnt cigar on the table."

"No, no; that was one her nevy gave her to take home, an' she forgot it!"

IMPROVEMENTS IN CORN PLANTERS

Great improvements have been made in the corn planter. Time was when the round-hole flat drop was pretty good, and by the way, it's good now. Well, some inventor thought that the grains being more nearly uniform as to thickness than they were as to size when laid flat, that the planting of the corn on its edge was best. What we want with corn planter is a machine that will drop just as many hills with three grains to a hill as possible. Some farmers buy the edge drop and then wish they had bought the flat drop; some purchase a flat drop and then mourn because they didn't buy an edge-drop. The man who buys a Superior Corn Planter doesn't need to mourn, because he has both systems at the price of one. The planter has so many new and proven features of merit that it is impossible to tell all about them here. The Planter has been thoroughly tried out in all sections of the United States where corn is grown, meeting with the unqaulified endorsement of all users. It is made by the same people who manufacture the world-famous Superior Grain Drill, and it is safe to say that the quality went into this corn planter to make it worthy of its name. Write to the manufacturers, the American Seeding-Machine Co., Incorporated, Springfield, Ohio, for full information about the Superior Corn Planter. Then go to your implement dealer and insist on seeing the Superior. It is fully guaranteed and must do all that its makers claim for it.

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You have been seeing my ads all fall and winter—read some of them, may be. Meant some time to write me to find out what all my advertising was about. But you put it off—couldn't find a pencil maybe. Had to quit reading and go out to do some chore or other—and you clean forgot it.

Now---Right Now you're thinking about it again. Don't stop till you **Write Galloway today about a Manure Spreader**



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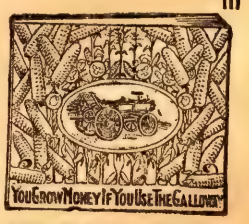
Why? The best reason is that this in the year when you will need a spreader if you ever did. Manure in piles all around the barn and feed lots. Worth lots of money. Can't afford to waste a bit. Takes an awful lot of time. Get a spreader of Galloway. Best investment you ever made in machinery.

Galloway makes all his promises, all his statements, claims and challenges in black and white. A man can read 'em running. Now, what about the other fellow? Make him write it in the contract. Does he say his spreader will beat the Galloway before breakfast? Make him write it in the contract. Does he claim his spreader is made of better material than the Galloway? Make him write it in the contract.

I will write any of my agreements—I do write 'em, every one of 'em. Ever think of that? Think it over then. If the Galloway were not exactly as good or better than I claim it is, could I hope to escape utter smash-up? You know I couldn't stay in business with my written claims and agreements if I didn't have the spreader to back me up.

Well then, won't you take my advice, accept my invitation, fix it any way you choose but get your name onto a slip of paper or a postal card and send it to me. Not next week—not next Saturday—not tomorrow. Do it quick. Now is the time—Now. Then you'll be ready for the spring work.

By the way, ask for my proposition. It might pay for your spreader before the year is half done.



WM. GALLOWAY President **WM. GALLOWAY COMPANY** 507 Galloway Sta. WATERLOO, IOWA

FREE This book contains barrelsful of good information about Manure Spreaders and how to make money with them. Ask us for one—they are FREE!

PLEASURE

SPRING will be here and then will come summer. When those seasons come many will involuntarily throw off the dull, despairing tones and look with more hopeful vision on the world and its work in general, and all others should try to do the same.

The somber garbs of winter will then be displaced by the free and gaudy material that seems to induce a sprightlier action; the step becomes lighter and more springy, and a more cheery tone takes possession of the voice. Why? Simply because of the bright, life-giving sunshine. The cheerful warmth sends the blood coursing through our veins at a livelier speed, and we are quicker in seeing the beauties of nature around us. Dull care is driven away, and one and all make up their minds for a real good time. Holidays, campings-out, and trips are the topics of conversation, and pleasure is uppermost in the minds of old and young. How to enjoy one's self is the question of the moment, and it is good that it is so. There is no better way of getting the best out of life than by cultivating the gladsome spirit. The woman who mopes never enjoys herself, and no one can enjoy her society. To be cheerful when things go right is an easy matter, but to be so when trouble is on hand is something to be proud of. Those who are bent on giving pleasure to others usually find their own cup overflowing.

Many of my country readers will be wondering how best to make the summer days pass pleasantly and profitably. In the ordinary course, that time of year is the busy season, and not much time can be given up to pleasure; but it is a strange paradox that the busy person is the one who has the most leisure, by this, of course, is meant that the busy person is the methodical one, and the duties are performed with regularity, and a portion of the time is set apart for recreation, which is as much a duty as any work can be. There is truth in the lines, "pleasures are like poppies spread," and though these may be fleeting, it is not so much the direct result as the lasting effect. Sometimes the pursuit of pleasure is a tiresome job, but the recollections are so pleasant that these often come to cheer us in moments when, without them, we would be miserable indeed.

To those whose duties keep them at home, and debar them from taking trips to the seaside, or excursions to distant new scenes, much pleasure may be derived from driving or riding parties. An hour spent in the cool of the evening in this way is, I know from experience, one of the most delightful and best of enjoyments, and for those who do not delight in the joys of horsemanship, well, evening lawn parties, with croquet, tennis, or other outdoor games, are a fine antidote to the harder work of the household duties. Sometimes good advice can be given in a negative form, and I came across some lines that will perhaps put it better than I can, and if the advice to enjoy life is to be followed, you will appreciate these lines. I don't know who the author is, but here are the verses—

Lookin' Blue

'Taint no use a'lookin' blue,
Other folks have trouble too.
Tho' you haven't got a cent,
Lookin' blue won't pay the rent.
Lookin' blue is mighty mean;
Tho' somebody's got a lien
On the house you're livin' in,
Lookin' blu'e an awful sin.

Lookin' blue won't pay the debt;
Shake yourself, get up and get!
'Taint no use o' lookin' blue.
Other folks worse off than you.
Keep your trouble out o' sight:
Other folks hain't got no right
To be afflicted with your groan—
They have troubles of their own.

Lookin' blue keeps sunshine out;
Dwarfs your life from inside out,
Never helped mankind a bit,
Don't you think you'd better quit?
Give your better self a place;
Show the world a smilin' face;
Then you soon will feel it too,
That the world has smiled for you.

Lookin' blue won't help you higher;
Lookin' blue will not inspire;
Lookin' blue shuts up the scroll,
Hides the music in the soul.
Let the sunshine break the ties,
Then the music will arise;
Then the world will catch the strain,
Echo backto you again.

—"Elsie" in Union Advocate.

THE ENGINEER'S DREAM

"Yes," said the engineer, "honesty is the best policy, though it sometimes has the deferred dividend attachment. When I first went running, I wasn't against telling a little white lie. White is supposed to be the signal for a clear track; but whenever you see a white lie staring you in the face just put the air brake into the emergency notch and plug her. If you run by many of them there's danger ahead.

"When I first got an engine, I had a habit of being a little careless and ran by semaphore signals more than once. I remember one time, after I had discovered my mistake of signals, I just hit the water glass on the injector a sharp crack, breaking the glass and filling the cab with steam, so I could scarcely see.

"When I was called upon for an explanation as to why I had not stopped at the signal, I just said that the water glass broke, and I couldn't see till I had put in a new glass, and the matter was allowed to pass. The same story served me a second time when I came within an ace of plugging the caboose of a train ahead. But I hadn't swung the excuse more than once or twice before I came to be dubbed 'Water Glass Bill' by every man on the division.

"One dreadfully stormy night,—it was snowing like fun,—as we lay in the bunk shanty at the end of our run waiting for our turn out, Charley Cobb got to telling fortunes from the tea leaves in the bottom of the cup from which he had been drinking. Finally it got around to me.

"'Well, Water Glass,' said Charley, 'from the dope I get from these leaves, there is a big smash-up coming your way. Can't you see the big piles of wreckage? It's due soon, too. A kind of funny, tubelike object off to one side which plays an important part in it; but I can't see exactly what it is.'

"'Humph!' put in Ira Lewis, 'you're a bum huncher! That's a water glass, that's what that is! Bill never got into trouble yet, that the water glass didn't bust."

"They all joined in the laugh that followed. Then I sank back on my bunk.

"All too soon the callboy came after me and in less time than it takes to tell it I was on my engine and going down the yards hooked to a fast freight. It sure was an owlish night, the wind and snow cutting into one's face like so many needles.

"I got away in good shape and kept going pretty perk, though the train pulled hard. All the while I kept thinking about Charley Cobb's teacup prophecy.

"I had the side window of the cab open in order to look out occasionally and keep a line on what was going on ahead. Just as we went around Miller's hill, a cold blast of air struck the water glass, and she went snap like a pipestem, filling the cab with steam. It had happened I thought, just as Charley said, as I grabbed for the throttle to shut off the steam.

"But the vapor escaping from the water glass got so dense that I couldn't see, and it was fairly parboiling my flesh. I was unsuccessful in finding the brake handle.

"Here we were, flying down Miller's grade under a full head of steam, and I unable to see anything. Charley Cobb had certainly given out correct dope. If I ever got out of this scrape, I solemnly promised myself to be pretty careful in the future about semaphore signals, and to tell no more lies of any kind, no matter what happened.

"Suddenly a heavy gust of wind seemed to clear the cab of steam for half a minute. In that brief space I saw dead ahead the tail lights of a caboose, the red almost flashing at me like a ruby necklace.

"Before I could wink an eyelash my locomotive stuck her nose right through that red circle, with a frightful crash. I was still flying through space, when I heard a gruff voice saying:

"'Come, Water Glass, come out of that! You're called for the fast freight run.'

"I had fallen asleep and dreamed the whole thing! When I finally awoke I was in a dripping sweat.

"Now, say, you can bet I kept a sharp lookout for things on that trip, and took the tip from the teacup dreambook. No more breaking water glasses for mine, and I've always told the strict truth since, and what's more I haven't had any further trouble, either!—*J. H. Rockwell*, in St. Louis Republic.

Smile

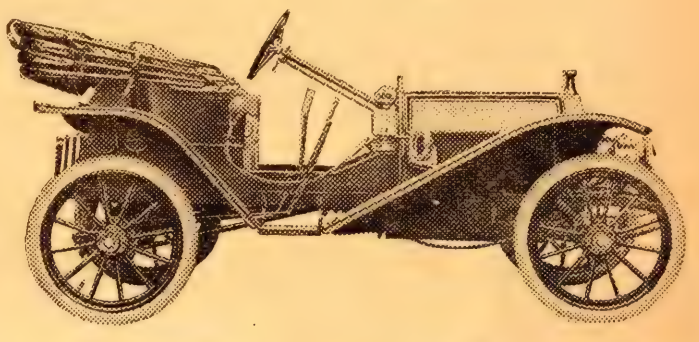
Smile when luck is breaking wrong,
Chant a snatch or two of song,
Cheerfulness will keep you strong
Where discontent will fail.
Yours is not the hardest lot;
Make the most of what you've got;
Smile a bit for kicking's not
A thing that will avail.

Smile though dark and long the day,
Knowing it's the only way;
You can win out in the fray
And conquer adverse luck
If you wear a smile of cheer;
Push ahead and persevere,
Riding rough shod over fear
And showing grit and pluck.

Let the other fellow frown
Who admits that he is down;
You may never gain renown,
But smile and life's worth while;
Laughter makes the heart beat young;
The pessimist will die unsung,
But you can be a man among
Men if you only smile!

—C. P. McDonald in The Bookkeeper.

Without an Equal in The World At The Price



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Hupmobile **$750**
(F. O. B. DETROIT)

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Five years ago or even two years ago such a car at such a price would have been a manifest impossibility.

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Desk 21, Detroit, Mich.

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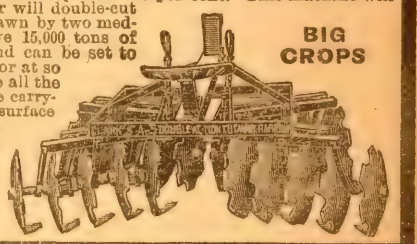
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WHAT MADE THE CHANGE

Old Jersey mooed her satisfaction,
And Shorthorn ratified the action,
While Dell and Polly in their stalls,
Switched their tails against the walls,
And said these were the happiest days
Since they engaged in coltish plays.
The ducks and geese were fat and plump,
And hens and chickens on the jump,
Were keeping nests well filled with eggs;
While hogs and sheep on active legs
Were in the pastures growing fat—
Each doing well where'er 'twas at.

Not long ago, the rooster thought,
We had to scratch for what we got;
And then the rest began to tell
How farm life seemed to them like—well,
There's been a change, they all agreed,
Of which they sorely stood in need.
What made the change? The question passed,
But none could answer, till at last
The purring cat begged leave to state:
"Our folks are reading UP-TO-DATE!"

FARM AND STOCK PROBLEM

MORE stock; heavier yields. These are the problems whose solution is now before the farmers. There is not enough stock to supply the needs of the world. Whether the result of converting the western ranges into farms or of the arbitrary rule of the packing houses, the stock supply is short; and in discharge of the obligation farmers are under to the world, as well as in their own interest, the number of live stock must be increased.

And there is no room to cut down the grain product. Few farm crops are exceeding the demand. There just now seems to be an excess of potatoes, but that condition is perhaps not for long. The call, therefore, seems to be for greater crop production and an increase of the number of live stock at the same time. And all on the same acres. Let us suggest more legumes—alfalfa where it may be grown successfully, red clover on the wide area where it does well, and cow peas where that crop is known to succeed. In many places all three of these crops do well. The point is to have rich pastures, abundant forage, so that the acres will supply many more head of stock than usual during the summer, and that cheap feed may be grown for winter.

This paves the way, too, for perhaps double the accustomed yields of crops. Rotating with the legumes gives new life to the soil, and the increased number of stock increases the amount of manure for the land. This supplemented by an occasional turning under of a leguminous crops may easily double the acreage yield. This combination solves the problem. Thus the same acres may easily be made to add to the number of live stock, and still maintain the full standard of crop production.

DAIRY AND BEEF CATTLE

THE country is short on both dairy and beef cattle, and if these two distinct classes of live stock could be used interchangeably it might tend to relieve the situation. If male dairy calves, not needed for breeding purposes, could be grown into beef steers, or if dairy cows and heifers that were, for any reason, not suitable for profitable dairy uses, could be profitably converted into beef, the beef shortage might be greatly relieved, and that class of stock perhaps turned to better account than it is now.

But in the abundance of cattle of a few years ago there was more breeding for an exclusive purpose, and there grew up a prejudice against any effort to bring dairy stock into the beef market. But so far at least as Holsteins are concerned, that prejudice, whether on the part of feeders or butchers, is in a fair way to prove unfounded. The Iowa Agricultural College has made a careful test of Holsteins and Shorthorns as feeders and beef producers. Steers of these two breeds were fed, and when sent to the block, cuts from them showed up as follows:

	Shorthorn	Holstein
Loins	17.1	16.6
Ribs	9.9	10.2
Rounds	22.9	23.3
Chucks	21.1	21.9
Plates	15.4	14.2
Shanks	5.7	6.4
Minor Cheap parts	7.9	7.4

It will be noted that there is no great difference in the cuts, either high-priced or cheap ones; and the feeders, as well as the butchers, had as satisfactory results from the Holsteins as from the Shorthorns. If this result should be sustained by future tests, and the prejudice against feeding the dairy breeds could be overcome, the effect would be good.

JANUARY LIVE STOCK AT THE WESTERN MARKETS

IN UP-TO-DATE FARMING for March 1, we gave an exhaustive statement, showing by official figures by states, the number of live stock in the country. Marketing, at least in the West, confirms the statement given. The receipts of cattle at Denver for the month of January were 29,592 head. For January, 1909 there were received 32,207 head, a decrease last January of 3,615 head. The Omaha market showed a decrease for January of 3,100 head; St. Joe showed a decrease of 6,227 head, and Kansas City a decrease of 9,338 head; making a total decrease of cattle for these markets in January of over 23,000 head.

The January receipt of hogs at Denver was 14,605. For January, 1909, the hog receipts were 22,968, a decrease of 8,093 head. The decrease at Omaha compared with January a year ago was 52,500 head; at St. Joe, the decrease was about 42,000 head, and at Kansas City the decrease was 122,000 head.

In most of the western markets sheep showed a gain. In Denver 3,127 more sheep were marketed last January than the January before. In Omaha 13,866 more sheep were marketed than a year ago, and Kansas City shows an increase of 32,909. But St. Joe shows a decrease of 6,989 head.

This showing makes the western markets strong, and prices may be expected to be well maintained. Once more we urge farmers to husband their live stock resources, and keep and take good care of their breeding stock.

HOGS AND POTATOES

POTATOES have never, and perhaps never will, come into general use as a feed for hogs. But that is a matter worth considering, and we are sorry we did not make this suggestion earlier in the season. There was produced last year an extra large potato crop, so large as to push the price far below the general level of values.

Grain is high. Corn is not scarce, but the demand is active and the price is high. If the surplus potatoes could be used to supplement the corn as feed for hogs, it would relieve both ends of the situation. This was suggested in the "Telescope" review in last issue. Potatoes fed raw are not so valuable a feed, but cooked, boiled by no means a difficult or expensive process, they make a good feed for either growing or fattening hogs. If, as before suggested, the potatoes be mashed after boiling, and mixed with chopped corn or crushed grain of any sort, an excellent feed is provided.

We are aware that the surplus potatoes and the hog lots may not be close together. But suppose the hog feeders should order car lots of potatoes from the centers of potato production, relief might be effected and profits attained by both growers and feeders. We suggest this as a possibility of good results. If too late to be made effective this season, keep it in mind for the next.

THAT'S THE DIFFERENCE

"I never can tell which is 'd' and which 'b,' complained the little tot, struggling with the alphabet.

"That's easy," said her next older sister; "the 'd' has its stummy on its back."

HIS FEET HAD MULTIPLIED

"That man that just now passed walked in this city not so many years ago, on his two bare feet. Now he has more than a million.

"Gee whiz! that beats a centipede, don't it?"

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Part of the money spent in costly advertising and catalogues to sell inferior separators in the "mail order" way is put into vastly better made machines in the case of De Laval separators, and part of it into commissions to local agents who look after the setting up of the machine and the instruction of the buyer in its proper use, as well as the prompt supplying of any needed parts for it in the years to come.

That's the difference in the method of sale between the De Laval and most other makes of cream separators, of which the Da Laval buyer gets the benefit instead of the newspaper and printer.

If you don't know the nearest De Laval agent to you send for a catalogue and his address.

The De Laval Separator Co.

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It's cheaper than bran. Costs $10.00 to $15.00 ton less than oil meal.

E. A. Stevenson, of Detroit, who fed one carload of Cuddomeal last year and has bought two carloads so far this season, says "excellent results are obtained from feeding Cuddomeal both to milk cows and to growing steers."

A. E. Pierce, of Tecumseh, Mich., a sheep feeder who tried one ton in October, then bought a full carload, says, "Cuddomeal is a satisfactory sheep feed.

INVESTIGATE. Try it. Feed one ton, then you will buy more."

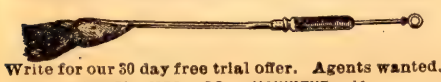
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DON'T KILL THE BIRDS — OR ANYTHING

(*Written for* UP-TO-DATE FARMING *by A. A. King, of Oklahoma.*)

One of God's positive commands reads "Thou shalt not kill;" in other words "Thou shalt not wantonly take the life of any creature." All life is a gift from God. Not a sparrow falls by the fowler's gun, not a quail is shot, nor any bird, or beast, or man, woman or child, but the slayer comes under condemnation. No one can restore or give back life, and "No murderer, (and that means any one who wantonly takes life,) has any part in the Kingdom of God and of Christ."

Some men delight in killing game. The dying moan of a deer, the sad look of a crippled rabbit, the silent appeal of a wounded quail or other birds, no less eloquent from being silent, do not soften their savage natures. As the rabble in the Roman arena cried out "Kill! Kill!" because they delighted in scenes of blood and murder, so the cruel hunter says, "Let me kill!" "I am a crack shot!" "I am a mighty Nimrod!" The buffalo on the plains, once our noblest and most numerous native animal, were murdered by sportsmen who shot them for no other reason than to gratify their lust for blood, and to satisfy their appetite for killing. Today we see the folly and cruelty of it.

All over the western plains in 1870 to 1880, thousands of beautiful prairie chickens were seen in flocks of from a hundred to a thousand. Now they are all gone, because the law did not protect them from wanton sportsmen, who often shot from wagons whole flocks of the birds that had not yet learned to fear the human form and the noise of his deadly gun—shot them for "sport," often not even picking up the dead birds.

The wild turkey, the most lordly bird America had, is gone too; and now the high toned murderers go to Africa to kill innocent monkeys, zebra, elephants, harte beestes, or other rare beast or bird that comes within the range of their modern instruments of death. A spirit of warfare and murder is instilled in the minds of our people by the words and acts of these men. "Teach your boys to shoot and to shoot straight, because we will need them by and by!" said one. Bring up your boys for war rather than for peace. Teach them to kill rather than to preserve life.

I say, teach our boys to love mercy and righteousness, and to despise war and bloodshed A great general who knew declared, "War is hell!" Christian men and women ought to ask how it compares with the life and character and teachings of Jesus Christ. How will the nations answer in the day of judgment when God Almighty shall ask for the millions slain in battle? "The wicked (takers of life) shall be turned into hell with all the nations that forget God. "And to those who ruthlessly kill, "They are condemned already."

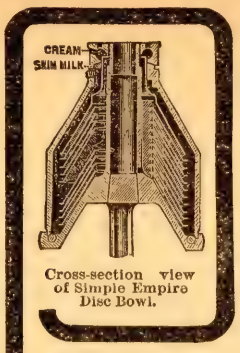
But I intended this article more as a protest against killing birds. It is not only cruel murder to kill the birds, but it is injurious to ourselves, because we need them to save our crops from insect pests and our fruits from multiplied kinds of burrowing worms and stinging beetles. They also consume tons of noxious weed seeds. Besides all which they are a delight to any community that protects them. One of my boys just brought in a female quail that is wounded by a shot from a hunter's gun. Its innocent look appeals for mercy, and I shall save it if I can. It don't cry or speak by words, because it can't, but its appealing look is enough to shame any sportsman.

I love birds. They are all beautiful, and their songs make glad many a sorrowful heart. One of the meanest things I ever did was in Michigan, where I caught, with a long string, a mother brown thrush. I tied her in a tree and stoned her to death. That was forty-five years ago, and I can hear that poor innocent bird yet as she fluttered and begged for mercy and life. that I killed her and became a murderer before God. I would now give a great deal if I had spared her life, poor thing.

I wish editors, of family papers especially, would devote space to humane articles regarding birds and innocent animals. I wish ministers would preach mercy, and that teachers in public and Sunday Schools would use their best endeavors to teach the young to love God's creatures and respect the lives they can take but cannot restore. I wish in every State, and in all countries there were stringent laws rigidly enforced, with heavy penalties for killing birds or destroying their nests, especially the beautiful, industrious and needed quail. Make the rich as well as the poor obey the laws. "Don't kill the birds, the pretty birds, that sing among the trees."

THE FARMERS VOICE

This is the name of a semi-monthly paper published by organizer, Barney Haughly, of Durango, Colorado. It is full of F. S. E. news and such educational articles, and facts about agriculture in Colorado as farmers in that western country need. The agricultural products of Colorado are largely in classes of their own and the producers could get practically all the advantages of the Equity System if the state was well organized and independent of the balance of the country. Mr. Haughly is making good progress to a state wide organization. Farmers should subscribe for his paper and if his services are needed in organizing address him as above.



Cross-section view of Simple Empire Disc Bowl.

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Kept Clean and Sweet Without Effort


Empire Disc

TAKE no chances on having your cream or butter graded "second" or "third." You want everything in your dairy easy to get unmistakably clean. The bowl devices in ordinary separators have slots, corners and crevices in which specks of milk or cream lodge to spoil the next skimming. The bowls in Empire Separators are different, better, more simple and perfectly sanitary. That's one vital reason why more and more thousands of experienced dairymen every year are choosing from—

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DIFFERENT STYLES—ALL SIZES IN EACH STYLE

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Here's lambing time. What have you done to rid your ewes of worms? Are you going to let them re-infect your pastures this spring? Are you willing to stand the usual heavy lamb losses?

Give your lambs a chance; you can save them by ridding the ewes of worms before they have had a chance to re-infect your pastures, and the time to begin is NOW!

There is no way so easy, economical nor effective to accomplish this, as by giving both sheep and lambs access to

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the highly medicated salt, and just letting your animals doctor themselves. Lambs on SAL-VET escape worm infection and therefore grow fast and vigorously.

Give SAL-VET as we direct, and it will positively destroy and expel all stomach and intestinal parasites. Animals thus freed from deadly worms must thrive—because the stomach and intestines are aided in the performance of their activities, and they gain the greatest possible benefit from what you feed.

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SAL-VET enables your stock to digest more and assimilate more—to get all the nutrition from their rations.

From New Hampshire Agricultural Experiment Station

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(Signed) T. R. ARKELL,
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Larger quantities at lower prices.

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This paper never deceived its subscribers nor ever gave them bad advice.

DARED FOR LOVE

When Sam Spalding measured his length on the ice that frosty winter afternoon, he saw a display of stars compared with which an ordinary meteoric shower pales into insignificance. But it was not this that he minded, nor the pain of his wrenched shoulder. Slowly, through the vague confusion of his ideas, grew the horrifying realization that he had fallen while skating with Augusta.

She stood at a little distance from him, a red spot on either cheek,—which was not due to the keenness of the crisp air. Augusta hated awkwardness. She herself was the best skater among the girls, and it was the hope of making a favorable impression that tempted Sam to the flourish which was his undoing. Without atempting to regain his feet, he looked at her appealingly. But Augusta seemed absorbed in contemplating the factory chimneys of Pittston across the river.

"Hope you're not hurt, Miss Augusta," said Ashley Miller, skating to her side; and the prostrate Sam clenched his fists over this officious sympathy. He could not hear Augusta's reply. As if taking his cue from her, Ashley lowered his voice, and then both laughed. Sam climbed to his feet unsteadily. The thought uppermost in his mind was the wish that he had broken his neck.

"Shall we try it?" Ashley inquired. "Sure you're not too shaken up?" The solicitude of his tone caused Sam to grind his teeth. Then before his eyes the two shot away, moving in long, graceful, curving lines, with a speed that shortly made them two specks against the dazzling whiteness of the winter landscape.

Sam was not in a mood for further feats on the ice. He took off his skates and jumped to the bonfire on the shore, his bruised body protesting against every movement. He waited patiently for Augusta's return. He must explain, apologize, assure himself that she was not really angry. But of course that was impossible. No reasonable girl could hold a grudge against the man who loved her, for barely missing fracturing his skull on the ice.

Ashley and Augusta came back to the bonfire breathless and apparently in the best of spirits. "I've always wanted to skate across the river," Augusta said, as she held her hands to the leaping flames. "I'd like to go through the factory at Pittston, some day."

"Shall we try it now?" Ashley asked.

"No, indeed. It isn't ever safe to skate across the river. The current is so strong in the center that the ice very seldom forms, and if it does it is worn right away. After you've lived here longer, you'll know the wisdom of keeping close to shore."

"I think a spice of danger adds to the sport," said Ashley.

"Well, I don't," Augusta cried. "I'm enjoying life very well, I thank you, and I've no intention of finding a watery grave, and ice-water at that, for the sake of a little fun." Then for the first time she seemed to become aware of the fact that Sam was at her elbow, humbly striving to attract her attention. She discomfited him by a stare, much as if he had been a presumptuous stranger attempting to force himself on her acquaintance.

"I'm very sorry I fell," said Sam, hanging his head. "It was very careless of me."

"Don't mention it," said Augusta. There were little expressive pauses between the words, and the eyes which were fixed on him seemed to be regarding vacancy. She turned gaily to Ashley: "Shall we try it to the big pine?" she asked.

"Delighted," said that young man, with a bow; and he stroked his mustache to hide his complacent smile. He had no idea that Augusta hated him for his amused, contemptuous glance toward his rival, nor that her anger over Sam's awkwardness was chiefly due to her desire that he should excel in everything. And Sam himself was quite as far from suspecting the truth. The one thought that possessed him was that his dream was at an end. Augusta despised him. She would marry the best skater instead of the poor clumsy fool who loved her.

When Augusta returned to the bonfire Sam had disappeared. The proof of his lack of spirit added fuel to the girl's anger. Why had he not stood his ground, taxed her with unreasonableness, and forced her to acknowledge herself in the wrong? She vented her displeasure on Ashley Miller as they walked home together, and when that young man left her, his smile was no longer complacent. "That girl's been spoiled," thought the dapper Ashley. "She needs to be taken down." But he did not go so far, even in his thoughts, as to claim that he was the man to do it.

Augusta was in hopes that Sam would appear after supper, and she put on her prettiest ribbon and waited expectantly. Nine o'clock came, and her father and mother went upstairs. Augusta sat by the table, vainly trying to interest herself in her book; and listening, in spite of her conviction that Sam would not come at that hour. But suddenly the snow outside creaked under a heavy tread, and then came a knock at the door. Augusta flew to open it, then drew back disappointed at the sight of a sturdy farmer in a fur coat.

"Good-evening," said the farmer, affably. "Saw Sam Spalding over in Pittston about dark, and he asked me to bring you this note as I was going by. Cold night," added the farmer, turning away. "Thermometer was below zero before I left Pittston."

Augusta hardly heard him. She stood looking at the words written in the familiar hand, without knowing their purport. The realization of their meaning came slowly, like the pain which follows a stunning blow.

> Dear Augusta: I care more for your happiness than for anything else, but I can't bear to see you happy with another man. So I'm going away. I take the ten o'clock train to-night for the West. My cousin has a ranch in Wyoming, and has been at me to come out for a long time. I've always thought I couldn't leave you, dear, but as things are now I can't stay.
> Good-by, dear. This is the last time I shall tell you that I love you. Sam.

Augusta looked at the clock. It was twenty-five minutes to ten. Pittston was almost directly across the river, but it was five miles around by the bridge. The river! She caught at the idea with fierce exultation. The night was cold. Surely the ice would bear her this once. It must!

She slipped into her coat, snatched her skates from the peg, and ran down the steep hill, over the creaking snow to the river. How dark and cold and ominously still it seemed! The thought came to her that if she broke through the ice they would not find her body till spring. Then another and greater fear took possession of her,—that she would be too late.

Under the brilliant winter sky a lithe figure shot out bravely, straight across the river. As she neared the center the ice bent under her weight. Looking down she almost fancied she could see the cruel water beating against the thin barrier which kept it from its prey. Faster, faster, faster! She could not bear to risk her life, and fail after all.

* * *

A drowsy passenger for the western train woke with a start when the door of the station opened violently. An immigrant woman with a baby in her arms and several sleeping children huddled against her, lifted her dark eyes with languid interest. But the man in the corner, with his hat over his eyes, neither looked up nor moved, till a tearful voice spoke in his ear: "Sam, dear Sam, please don't go away. For—I love you."

It was not till after the train had come and gone that Sam rallied his wits sufficiently to ask questions. The skates hanging over her arm suddenly attracted his attention. "Augusta!" he cried, seizing her hand, "how did you get here?"

"I skated across the river."

"The river!" Sam repeated, and his face blanched. "You might have drowned, Augusta,—drowned while I sat here thinking of you."

"Yes, I knew that," Augusta acknowledged. Then, in the security of the emptied station, with a little sob she leaned her head against his shoulder: "But, Sam, it was worth the risk."—Harriet L. Smith in Farm Journal.

ABSORBINE DOES GREAT WORK

Bamey Ogan, Somerset, Ind., under date of June 23rd, 1909 reports to Mr. Young as follows: "I began using Absorbine on a Friday morning and Saturday my horse could put his foot to the ground for the first time in three months. It was a bad case but I was surprised to find what the Absorbine had done so soon. I thought that she would have to be killed almost any time, but it looks as if she were going to get along now." Absorbine for all kinds of Lameness, Bruises, Soft Swellings, Bog Spavins, Big Knee, Poll Evil, Etc. $2.00 at druggists, or sent express prepaid upon receipt of price. W. F. Young, 102 Temple St., Springfield, Mass.

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We will send you 50 lbs. **Inter-State Medicated Salts** Guaranteed to expel all worms, contains 15 ingredients.

Most scientific Remedy known. After 60 days' trial no results, no pay. If satisfied at the end of 60 days send us $2 for 50 lbs. or $4 for 100 lbs. Guaranteed under the National Food & Drug Act, June 30, 1906. AGENTS WANTED.

The G. E. Howell Provision Co., Newark, Ohio

N. B.—We cure chicken cholera or no pay. CARBO-CRESOL kills lice, ticks—is a general disinfectant. $1 gal.

Clip Your Horses In the Spring



In the spring when your horses are soft and you put them at the hard spring work they sweat a great deal. Their heavy winter coat holds this sweat and it dries out slowly. If left to stand they take cold easily and at night they chill and are liable to all kinds of complaints.

If you clip them they dry off fast, and there is no question but they stand much less chance of taking cold when dry than if wet. You would not like to stand on a raw spring day or on a chilly spring night with a heavy wet suit on. Neither do your horses. It pays to clip them and blanket, if necessary, on cold nights. Your horses dry off much faster, they feel better, rest better, get more good out of their food and do better work. The are better all around. It is the humane and profitable thing to do.

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MOVING PICTURES OF DAN PATCH 1:55

















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You Can See Dan Shake His Head To Let His Driver Know That He Is Ready And Then You Can Watch Every Motion Of His Legs As He Flies Through The Air With His Tremendous Stride Of 29 Feet. As A Study Of Horse Motion Alone This Is Better Than If You Saw The Actual Speed Mile Because You Can See Dan Patch Right Before You For Every Foot Of The Entire Mile And Not A Single Motion Of His Legs, Body Or Head Can Escape You.

You can see his Thrilling Finish as he strains every nerve and muscle to reach the wire in record breaking time, you can see his driver dismount and look at his watch while thousands of people crowd around, you can see his caretaker force his way through the crowds, uncheck Dan and then throw a beautiful woolen blanket over him to prevent catching cold and then you can see him walk up the track before a Madly Cheering Multitude of 90,000 people.

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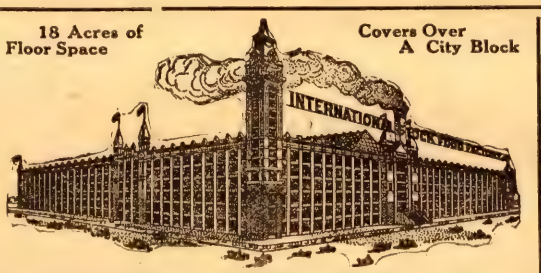
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DAN PATCH 1:55

HAS PACED

1	*MILE IN*	*1:55*
1	*MILE IN*	*1:55¼*
2	*MILES IN*	*1:56*
14	*MILES AVERAGING*	*1:56½*
30	*MILES AVERAGING*	*1:57½*
45	*MILES AVERAGING*	*1:58*
73	*MILES AVERAGING*	*1:59½*
120	*MILES AVERAGING*	*2:02½*

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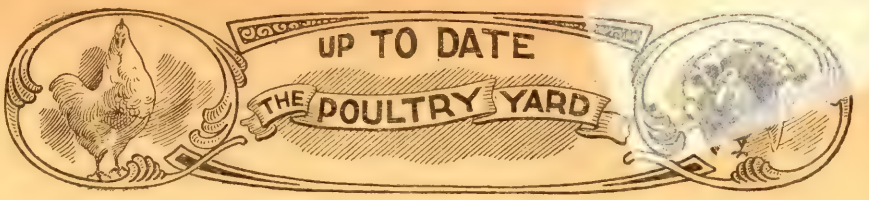
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OUR ADVERTISERS

The small classified advertisements in the Business Exchange have a value for those who take advantage of the department, out of all proportion to their size. These "liners" are small and inexpensive. Yet thousands of readers of UP-TO-DATE FARMING look here to supply various wants.—A farm for sale.—Improved live stock wanted.—A dozen heads or more in the Business Exchange.



YOUNG PEOPLE AND POULTRY

WE cannot give better advice to young people who are just beginning their own home life on the farm, to make poultry one of its prominent features—not merely a side line for the wife, but a source of revenue and income that may well claim and receive attention from both husband and wife. Don't be content with old style methods. You may or may not use incubators and brooders; but whatever you do you can't afford to let the hens take their chances—select their own roosting places, shield themselves from storms as best they may, hustle around for a precarious existence, find their own nests in summer (they need none in winter) and then bring in bad reports at the end of the year. That was the way in the "old days," but eggs were then five cents a dozen, and a dozen hens were worth two dollars.

It is different now. Few things on the farm are more profitable. There is an ever ready demand at cash prices, and at prices that pay. Another advantage in poultry from a revenue standpoint, is that returns come in all the time. Crops have their season of harvest and market, and so has live stock, whether hogs, cattle or sheep. Expenses, however, are perpetual. Every month, week and day has its needs. The poultry income comes nearer meeting these calls than anything else on the farm. We are speaking from actual experience.

The young farm couple, therefore, are wise that give their first attention to poultry.

Provide for the young chicks. They should not only have suitable runs, where weeds and grass are not allowed to get too high, and where foes may not steal in to harm them; but they should have modern coops in which they may be fed free from the danger of being robbed or trampled upon by the older fowls. And they should have secure places, kept clean, in which to roost, and handy shelters under which to take refuge from rains.

The poultry earn and deserve such attention. It is no more than is usually given to the live stock and the crops. We will not now say much about the breeds. If you have good, old fashioned mixed stock, and prefer to keep it, all right. But if you are just beginning, as we have assumed, and incline to some thoroughbred variety, we believe that is best. There are few prettier sights on a farm than a large flock of hens, with the needed roosters, all alike. And there are so many excellent breeds, beautiful as well as useful.

At all events, poultry has risen to a dignified position on the farm, and it should have the increased care and attention its merits warrant. We would rather have a good flock of well handled poultry than stock in a western mine.

WHAT BREED?

THE very name of this most excellent farmer's paper, suggests progression. No old time, worn out methods, especially if the new is better. If the "Up-to-Date" farmer family, then, is progressive in other things, we take it for granted that they are abreast of the times in keeping poultry, and it is a matter of fact, that the little old common dung-hill fowl, has had its day. Very few flocks can now be found that have not either been graded up highly or replaced, entirely with some one of the many pure bred varieties. Some few are doubtless now revolving in their minds the question of investing in some pure bred poultry stock, and to these undecided ones, a word of advice may not be out of place.

We admit it is conceded that for eggs, alone, the Leghorns take the lead, but when one is wanted for the table, or to sell by weight the Leghorn does not tip the scales with a cochin, Langshan or Plymouth Rock. The Orpington is quite a favorite with some just now; and, though of good size, and a good egg-producer, it can not cater to the fastidious taste of our eastern markets, inasmuch as it has a white skin, when dressed, and most of our American markets prefer, while some demand, a nice yellow skin.

The Langshan also has white skin, and with the Cochin, feathered legs, while these particular consumers, spoken of above, demand a clean yellow leg, in dressed poultry.

The two families of Rocks, the Barred and the White, are really ideal farmer's fowls, and farmers have been quick to realize their merits.

There are no other fowls so universally seen upon the farm as the Plymouth Rock.

The Barred Rock is better known than his white cousin, and he is indeed a noble bird. Fanciers have been striving for years to outdo one another in the production of fine specimens and when one can be bred that is perfect in type, in comb, in eye, in size and plumage that breeder's fortune will be made, for he can get whatever he demands for such a bird.

The White Plymouth Rock is a little easier to breed to Standard requirements: He is considered a little earlier maturing, will lay as many, some claim more, eggs than his barred brother or cousin, and has one advantage which counts for much, with the market poultryman, it is this—white pin feathers—we all know how difficult it is to pin feather a young chicken, also how the dark pin feathers have a dark appearance on the dressed carcass. This is obviated when the plumage is white, hence our choice of the white.

As we have said before, and elsewhere, the Barred Plymouth was our first love, and, though, in our time, we have kept many varieties of fowls, in fact, nearly all contained in the "Standard," yet we never proved false to our first love—until we made the acquaintance of his cousin The White Plymouth Rocks. But everyone to his choice. What we admire, and are interested in, we are apt to do our best with, and there is no other way to succeed with poultry, nor in fact, with anything else.

MRS. J. B. HOWE,
Fortville, Ind.

NATIONAL POULTRY VALUES

IT is well for the farmers to know where the money comes from. In 1900 the poultry products of the United States totaled a value of $250,000,000. Seven years later this value had increased to $600,000,000, which in 1907 was greater than the value of the entire wheat crop.

three ways—in increased production, two ways—in increased production, increased demand and higher prices Unlike most other farm products, the demand is more than keeping pace with production, and as a result prices for several years have been good, better. And there need be no fear for the future. Prices will remain good; possibly not so high as now, but they will carry profits.

The Greatest Incubator in the World on Free Trial

Sam Thompson manufacturer of the Fairfield Incubator and Brooder wants every reader of this paper to try his great machine two hatches free. In his advertisement which appears in another part of this paper Mr. Thompson states that his machine is strongest built, best looking, guaranteed to produce bigger hatches and stronger chicks of any machine on the market. To back their claims Mr. Thompson will send our readers his Incubator for a 2-hatch trial free—If you are interested write today for his new catalog and poultry book which is free and get his great trial free proposition. Address Sam Thompson, President Nebraska Incubator Co., 518 Main St., Fairfield, Nebraska.

The wave is breaking on the shore;
The echo fading from the chime—
Again the shadows moveth o'er
The dial-plate of time.

—Whittier.

Our Guarantee is Backed by a $1,000,000 Surety Bond

You are Absolutely Protected



No other machine in the world carries a guarantee that protects you so absolutely as

The Sure Hatch Incubator

We give you a **positive guarantee**—everything put down in black and white and signed; and, besides this, **we actually send you a Surety Bond issued by the Bankers' Surety Company, Cleveland, Ohio.**

The Sure Hatch Incubator is built of the very best materials and constructed along lines that **always** insure perfect hatching results. If this were not so, we could not give the liberal, binding guarantee that we do. The Bankers' Surety Company could not afford to place its entire resources behind our guarantee if the **Sure Hatch** were not the best Incubator manufactured.

Superior Construction makes the **Sure Hatch** the best Early Season Incubator. We have moved the Hatching period forward several weeks, and with it you can get the earliest birds, that bring biggest prices.

Double Redwood walls; Dead Air Space Insulation; Special Hot Water Heating System; Perfect heat, and fresh air regulation put the Sure Hatch in a class by itself. Our Double Guarantee keeps it in a class by itself. We pay the freight, and give you 60 days' Free trial.

Write today for finely Illustrated Poultry Book. It is **free** and contains many hints on poultry raising that will be valuable alike to the expert and the beginner with poultry.

Sure Hatch Incubator Company
Box 28 Fremont, Neb.

We Pay the Freight

RAISING QUAIL FOR PROFIT

IN UP-TO-DATE FARMING for February 1, we published a letter from Mrs. B. R. Buffham, Deputy Game Warden, Roswell, New Mexico, on raising quail as a business for profit. She now writes us that she has received letters of inquiry on that subject from Oregon to West Virginia, and from Michigan to Texas. She asks us to publish the following letter she received from Buchanan, West Virginia. We do so, because it tells how the lady did it, and the result, though we are compelled to abbreviate the letter some:

Dear Mrs. Buffham:

It is about a year since I wrote you asking what a young woman could do to make a living. You said "Take quail." I laughed, but kept thinking it over. I attended to my hens, made their house tight on north side, hung up a curtain in front, and in a week's time I had eggs.

We live on a rented place, my brother and I, with our parents, who are old and feeble. We just about make a living; the landlord gets the rest.

Spring came. I had a small hen setting. I would see if I could not find a nest of quail eggs. I had walked along every [illegible] and was tired, when I looked into [illegible]inch of weeds and found twelve eggs. [illegible]k them home, put the hen in a big [illegible] goods box in the garden, made a nest [illegible] round tobacco box, making it rather [illegible]k, and the hen took to the nest. The next day I put posts around the box, and went to town, but without money. I asked a hardware dealer to credit me for 20 yards of wire screening, telling him what I was doing. He let me have it. Next day I tacked it up, sewed it all around with twine, and hoped for success.

Next week another hen was setting. I returned to my quail nest and found four eggs in it, but did not take them. After a long walk into a neighbor's field, I found fourteen eggs, which I put under the hen. Two days later another hen was broody, and I went into a vacant field that was overgrown with weeds, and gathered 22 eggs. A week or more passed, and the first hen hatched every egg. I fed and watered the little quail. I had a box of birdseed that I fed sparingly. I also dug worms for them, and such pretty little pets I had.

Two more hens sat. I scared a quail off her nest, hurried home with the eggs and put them under a hen. As the hens hatched, I gave the little birds to an old gentle hen. I put some in a box with a hot bottle, and they did well. I lost but four. As they grew I put them all together. I then sold a few old hens, paid the hardware dealer, and bought some more wire screening. I built another pen 9 by 6 feet. As yet I had not thought of selling any birds. But one day a large automobile came up, and I was handed a card from the hardware store asking how many quail I would give for a hundred dollars. I did not know. The gentleman asked to see them. I opened the door and, calling them, picked one up and said two dollars each. I was surprised at being offered $100 for 50 birds! I accepted it, and as they were taken away I was told if they did well a hundred would be wanted next season. A month later the next season's order was confirmed, and a guarantee placed at the bank.

I did well with my hens and saved the money. When winter came my quail were let out at times to run around and eat. I am now strong and no more a burden to my old father and mother. At Christmas I was given $10 to work a week in a store, but I was glad to get back to my pets.

I bought a place with a good house. By paying $300 down it was mine, with ten years to pay the balance. Our lease is up, and the rent is to be raised; but we move to our new place next week. I am now, as you say, independent.—Miss W. R.

THE HEN MUST BE RECKONED WITH

SAMUEL Phillips, writing to one of our exchanges, has this to say about poultry on the farm:

I know from wnat I have seen on some farms that the hens have made a great deal more money—investment, work and cost considered—than any other one branch of farming. Most farmers consider the care of poultry "woman's work," and some of them are actually ashamed to be seen helping their wives look after the fowls. What a mistake. It is not as much a woman's work as a man's, because it often involves exposure during storms and cold weather and the man who will refuse to save his wife from any bit of hard work possible is a pretty poor specimen of a farmer. If these men would study the science of poultry raising and give it as much attention as any other branch of farming, they would make more money and make it easier. The American hen has made her place in agriculture by producing millions of dollars every year and she has earned the respect of every right-thinking farmer in the land.

POULTRY HOUSES AND FIXTURES

The Reliable Poultry Journal Pub. Co., Quincy, Ill., has just issued the seventh edition of their popuair book "Poultry Houses and Fixtures." This book has just been revised and brought right up to date.

The most valuable points covered are as follows: building poultry houses of all kinds, i. e., closed front houses, scratching shed houses, open-front or fresh-air houses, giving details of both the popular "Woods" and "Tolman" open-front houses; portable houses, also all kinds of interior and exterior fixtures.

The plans for each style house, together with the approximate cost of each house, are so explicit that any amateur who can handle a hammer and saw will understand just how much lumber to order for each house and how to build or superintend its construction.

This book contains over 150 illustrations and is unquestionably the most instructive and comprehensive work on the construction of poultry houses and fixtures that has been compiled to date. Every house and fixture described in this book is in use on the plant of a successful poultryman. The price of Poultry Houses and Fixtures is 50 cents per copy.

IT DIDN'T RAIN

Traveler in the West—"My friend, don't it ever rain here? I never saw any place so dusty!"

Native—"Rain? Do you mean rain, stranger? Why, there are frogs in this county five years old that never saw a mud-puddle yet, and can't swim a lick."

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SAM THOMPSON SAYS

I Want to Send My 1910 FREE Incubator Book and Special Offer to All Up-to-Date Farming Readers

I just want to tell you how you can make a lot more money out of your chickens this year than ever before. My new illustrated 1910 Incubator Book is chuck full of chicken-raising facts. It's worth 50c to $1.00 of anybody's money and I will send it to you free any time you say so. I want to tell you all about my new 1910 Fairfield Incubator and Brooder. My customers call the Fairfield the World's Best Hatcher. That's what their experience has proven it to be. I claim it's the best Incubator on the market.

Then I say to you, don't take my word for it. Be your own judge. Just send for the Fairfield and try it in your own home—two hatches free with the money in your pocket if you wish. That's the best proof I can offer you that the Fairfield will do all and more than I claim for it. It must make good in your poultry business or I don't want you to keep it. Isn't that fair? Get my catalog telling all about it.

SPECIAL WORD to UP-TO-DATE FARM FOLKS

Dont kill the hen that lays the golden eggs. Keep your hens busy laying and let the Fairfield hatch your chicks for you. It will do it better, easier and cheaper. I will guarantee it.

Did you ever try to watch thirty setting hens at one time? If you did you know you have got a job on your hands. Now my Number 1, 100-egg capacity Fairfield will raise more chicks for you in one season than thirty setting hens. It never leaves the nest. It don't take any more time or trouble to watch than one hen.

Do you want strong, healthy chicks ready for next winter's market?

Then buy a Fairfield early this year and put it to work. It will earn you a lot of money by fall. Remember, folks, I make a lot of strong claims about my Fairfield Incubator. You can't buy a better machine anywhere. Then I just say to you, try it for yourself—Two hatches free. It's got to please you and make you money or I don't want you to keep it.

Yours truly,

Sam Thompson.

About My Incubators

The Fairfield is well made from start to finish. Always has been and always will be. We use Calif. Redwood in our construction. Its patented steam and water circulatiug heating system guarantees the biggest hatches of healthiest chicks ever raised in an Incubator. Our double disk regulator works perfectly. No better lamp in any incubator. Large, roomy nursery and egg chamber. Double doors. Unobstructed top. An incubator without a rival. That is what my Fairfield is.

My 2-Hatch Free Trial

I have a lot of confidence in my Incubator being just the machine you want. If I didn't I would never make you this sort of an offer. I will ship you, freight prepaid, a Fairfield Incubator and Brooder and let you try them in your home, two full hatches free, entirely at my risk. It's got to please you or of course you won't keep it. If it dont please you ship it back and I will pay the freiget. Now take me up on this offer before you think of buying anybody else's Incubator or Brooder. I will treat you square.

About My Brooders

You want a good Brooder to go hand in hand with your Incubator. Now I claim the Fairfield to be a good all 'round common sense Brooder. It's a hot air, overhead heater with plenty of room. I make them in three sizes, 100, 150 and 200 chick capacity. They are self regulated and will keep your chicks comfortable until large enough to take care of themselves. My Brooders are sold on the same plan and guarantee as my incubators. Let me ship you one along with your incubator.

I Pay the Freight

Thompson pays the freight on his Incubator to your town. I don't care where you live, my prices to you will include the freight paid to your station. You can't take any risk when you buy one of my machines. I pay the freight to start with and if they don't please you I will pay the freight back and give your money back if you have paid me any in advance. Now that's Thompson's way of doing business. He ships his Incubator out on the strictly "make good" plan, you to be judge. There couldn't be a fairer offer than this.



Cut Out This Free Coupon And Send To Me Today

I want to send you my 1910 catalog free. I want you to know all about the Fairfield Incubators and Brooders and my new plan of selling them on a 2-hatch free trial. All you have got to do to get this book which contains a lot of chicken-raising facts in it is to fill in, cut out and mail this free coupon to me today. I will send my catalog to you by return mail. I am going to send you at the same time the greatest proposition ever made by an incubator manufacturer. I have a straight business proposition to make you that will help you get your Incubator partly or entirely free. It's a proposition I know that you will want to accept because there's money in it for you. Sit down right now while you are thinking about it and just write me a postal or letter telling me the size Incubator you want or just say "Send me your new catalog" and you will get them by return mail. Address

SAM THOMPSON, Pres.
Nebraska Incubator Company
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Please send me your new 1910 Free Incubator Book and Special Offer, telling me how I can get my machine partly or entirely free, by return mail.

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Pick out from my catalog the size you want and I will just fix you up to your entire satisfaction—make you a low price, a long time guarantee and allow you an extended trial. Write me to-day or you may forget it.

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100 EGG INCUBATOR $7.00
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The Advance—Took 20 years to perfect. Thousands now making money with $10 outfit, raising for market—breeding—selling. Copper tanks, double walls, self-regulating lamp and thermometer complete. It is equal for the money does not exist. Order direct, or full description **Free** for postal.

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$7.55 Buys Best 140-Egg Incubator

Double case all over; best copper tank; nursery self-regulator. Best 140-chick brooder, $4.50. Both ordered together $11.50. Freight Prepaid. No machines at any price are better. Write for book today or send price and save waiting. *Satisfaction guaranteed.*

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125 Egg Incubator and Brooder Both For $10

If ordered together we send both for $10 Freight paid east of Rockies. Hot water, copper tanks, double walls, double glass doors. **Free** catalog describes them.

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Prevent Runaways

Your horses are always under control when you use the

IMPROVED SUCCESS DRIVING BIT

They don't shy or jump at autos, locomotives, etc., or run away—the bit prevents. **The Rollers make bit humane.** If not at dealers, **accept no substitute,** but send 75c for this bit prepaid. Money back if not satisfied. Wm. VAN ARSDALE. 428 Main St., Racine, Wis.

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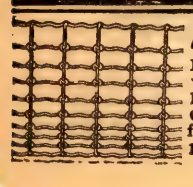
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Best high carbon coiled steel wire. Easy to stretch over hills and hollows. **FREE** Catalog—fences, tools. Buy from factory at wholesale prices. Write today to Box 11

W. H. MASON, LEESBURG, O.

LIGHT AND TUBERCULOSIS

ARGUING that tuberculosis is primarily a stable disease, that it is very rarely communicated from one animal to another while in the pasture, Hubert F. Potter, Dairy Commissioner for Connecticut, in a letter recently published, says:

The essentials for a favorable environment for the cow are light, cleanliness and good ventilation. Light is a cheap but efficient germicide; the sun shining directly upon the germs of tuberculosis will destroy their vitality and power to do harm in less than one hour. Difused or reflected light will accomplish the same result in a longer time. The health and well being of the cow demand that as much light as possible be admitted into the stable. Additional windows in the stables to admit more sunlight, more whitewashed walls and ceiling to reflect the light, better ventilation and greater cleanliness in the stables to provide a sufficiency of pure air for the cattle confined therein, will do more to keep them healthy and make them profitable than all the patent feeds and medicines in the market.

That is one of the most important official utterances on that terrible plague of the feed lot and dairy that has yet been given to the public; and since the dairy cow spends but little less than half her life in the farm or shed, the question of light and cleanliness appeals, not only to the regular dairyman, but to every keeper of cattle, and to every user of milk or other dairy product. If light is so essential the dark stall should be immediately marked for improvement or abandonment. If it cannot be made light, use it for something besides a stall for the milch cow.

It has also been proven by microscopic examination that cow manure contains more of the tubercle bacilli than any other matter cast off by the animal. The tuberculous cow coughs up the same as the tuberculous human, but what the human may spit out the animal swallows, and that results in the above cndition of the manure. This demonstrates the necessity for cleanliness. Milk drawn in an unclean barn can scarcely be kept from becoming infested with these bacilli if they are present, and one cannot be sure whether cows are affected or not. Cleanliness, therefore, is a necessary precaution. The farmer cannot afford to allow his family to use milk about which there is the least question; and what he cannot afford for his family to use he cannot afford to sell.

A GOOSE FARM

THERE are almost all sorts of farms nowadays. Large poultry farms are common, duck farms by no means infrequent; and there is talk of frog farms, skunk farms, and others equally ridiculous. But we do not hear of goose farms—farms devoted exclusively to, or where the main business is, raising geese for market.

We agree with an exchange that probably no department of agricultural industry requires less capital, and offers greater opportunities for profits. Geese require very little in the way of houses; low, cheap sheds usually meeting all necessities. During spring, summer and fall the geese obtain most of their feed from the ground, if given suitable pasture. About the only feeding time, therefore, is during the winter months, and even then costly feeds need not be given.

The cost of keeping the breeding stock cannot be great, and, as the young stock is marketed in the fall, most of its living is obtained in the pasture, requiring only special feed to hasten its growth and development, and to fatten it for market.

In view of these facts one would expect the establishment of goose farms, where the principal energy would be devoted to these fowls, and where the principal dependence for income would be centered in them. We certainly believe there are inviting possibilities in such an enterprise. But of course there must be adaptability to make it a success. The farmer must be adapted to it, and the locality must be suitable. The pasture must be large enough and rich to grow tender grasses; it must have water, running, if possible, all surrounded by a good and tight fence.

HOME DOCTOR FREE

Every grown man and woman will be interested in the free offer being made by Dr. Pierce to send his big Home Doctor Book, containing 1008 pages, with engravings and colored plates, bound in good cloth, to any one sending postage to prepay it, which amounts to 31c. There are no conditions to this offer, and the reader must not associate this book with the advertising pamphlets prepared by quacks throughout the country. This is a book essentially for every day reference. Send to Dr. R. V. Pierce, Dept. F, Main St., Buffalo, N. Y.

They never do things by halves in Oregon. Take the farmers for instance. We had never realized what a grain producing state, Oregon is until we came across some figures in the last Year Book of the Department of Agriculture, and found that that wonderful state stood fourth in the per acre yield of winter wheat, averaging nearly double as large a yield as Kansas, and leading every large wheat-growing state in the country. In oats it ranks tenth in yield per acre, and in Rye only six states produce more bushels per acre than Oregon. In the production of hay, Oregon is right in front, producing more tons to the acre than all other states but four. This is truly a coming country. If you want more information, the Portland Commercial Club, of Portland, Ore., will be glad to hear from you. Mention Up-to-Date when writing.



To Fence Buyers

I Want to Send You This Free Book

before you buy a rod of fence. Take my word for it, it will pay you to give me the chance. It's a book about

EMPIRE

All-No.-9 Big Wire Fence

I've had my say about fence in this book and I want you to read it. Most profitable fence in the world to buy, as I'll show you.

THERE'S A NEW THING ABOUT IT

It's now sold **delivered** to fence-buyers everywhere—not just in certain sections, but **everywhere in the U. S.** Plainly priced in the book (factory prices) and the factory pays the freight to your railroad station.

Send me a card or letter for book right away. I'm going to send out 45,000 of these books to farmers this fall, but I'll get them out promptly. Address FARMER JONES, Fence Man for

BOND STEEL POST CO.
31 E. Maumee St. Adrian, Mich.

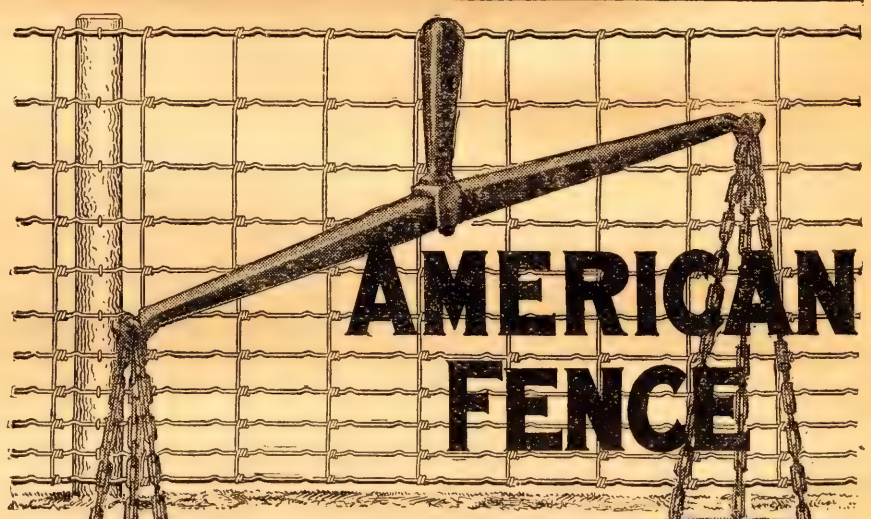
BROWN FENCE

STOUT—STRONG—DURABLE—CHEAP

Let us prove to you that Brown Fence will outlast any other because of heavier wires and **heavier galvanizing.** Investigate before you buy. **160 styles** for all purposes. **15c per rod up—We Pay the Freight.** Send today for prices and free sample of all No. 9 **Rust Proof** fence.

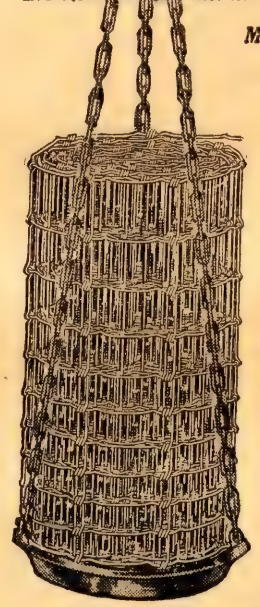
The BROWN FENCE & WIRE CO., Dept. 70 Cleveland, O.

SAMPLE FREE

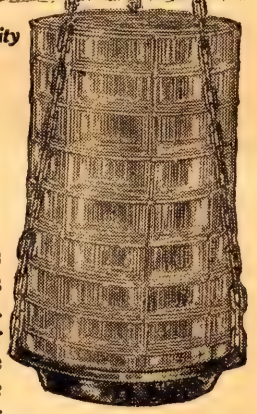


Made of Hard, Stiff Wire, of Honest Quality

A Heavy American Fence Costs You No More Per Rod Than Lighter Fences of Other Makes



American Fence



Light Wire

A roll of heavy fence means big wire. Big wire means more strength and longer life.

Insist upon the dealer weighing the roll of fence he sells you. This will tell the story quicker than any other way, for you cannot always tell the size of wire by eye. American Fence will stand this test against any fence made, and will prove its greater weight. Why, then, pay the same money for a lighter fence?

American Fence is made of hard, stiff steel. It is made of a quality of wire drawn expressly for woven-wire-fence purposes by the largest manufacturers of wire in the world. Galvanized by latest improved processes, the best that the skill and experience of years has taught. Built on the same elastic hinged-joint (patented) principle, which effectually protects the stay or upright wires from breaking under hard usage.

Test, judge and compare American Fence under any and all conditions and you will find that the steel, the structure and the galvanizing are equal in durability, strength and efficiency to the hardest uses.

F. BAACKES, Vice-Pres. & Gen. Sales Agent
American Steel & Wire Co.
Chicago New York Denver San Francisco

NOTE.—Dealers everywhere. See the one in your town and have him show you the different designs and give prices. Also get from him booklet entitled, "HOW TO BUILD A CHEAP CONCRETE FENCE POST," furnished free for the asking.

DUCKS AND GEESE

The Reliable Poultry Journal Pub. Co., of Quincy, Ill., has recently completed the third edition of their book "Ducks and Geese" which has been revised to conform to the 1910-1915 American Standard of Perfection. It contains articles by the foremost duck and goose breeders, giving complete instructions regarding the breeding, rearing, feeding, housing, marketing and exhibiting of these profitable fowls. It is a complete guide to profitable duck and goose raising, and is illustrated by the world's leading poultry artists. Franklane L. Sewell and Arthur O. Schilling. The price of Ducks and Geese is 75 cents per copy.

RAISE A PIG

If you wish to own an auto that will travel
fast and far,
Raise a pig;
If you have a dear desire for a splendid
private car,
Raise a pig;
If your daughter yearns for jewels that
will make a lurid blaze,
Or your wife would be a leader where some
other matron sways;
If you wish to give up toiling and in comfort spend your days.
There's a way—don't overlook it—
Raise a pig.

If you're sick of serving others and are
looking for a change,
Raise a pig;
If you wish to gaze at wonders that are
far away and strange,
Raise a pig;
If your son would like to squander money
on a chorus girl,
If you yearn to own a castle having walls
inlaid with pearl,
If your darling daughter wishes to be married to an Earl,
There's a way—don't overlook it—
Raise a pig.

MERRY SPRING TIME

Good-morning, merry Springtime!
Where have you been so long?
We've missed the cheerful little birds,
And long to hear their song.
You waken all the birds and bees
And flowers on your way;
You open wide the closed up doors,
And let the children play.

Good-morning, merry Springtime!
So bright and fresh and gay,
You've melted off the winter's snow,
And scared the cold away.
You bring again the rippling brook,
You break the frost-kng's chain;
And icy paths for slippery feet
No longer do remain.

Good-morning, merry Springtime!
We hear your welcome voice;
All Nature teems with life and growth,
You make the earth rejoice.
The farmer tills the fertile fields,
And sows his needed grain;
You aid the labor of his hands,
With sunshine and with rain.
—*Sophie C. Watson*, in Farm Journal.

IT WAS IF HE DIDN'T

The boy was pulling weeds in the garden fit to kill, as the preacher passed and looked at him admiringly.

"I suppose your father said he'd give you something if you pulled them all out, didn't he?" said the preacher.

"Naw!" He said he'd give me something if I didn't."

COULDN'T BE HAPPY WITHOUT IT

He was up before the magistrate for beating his wife.

"Can't you and your wife live together without fighting?" asked the Judge sternly.

"Not 'appily, Judge; not 'appily!" was the answer.

DECIDED WITHOUT KNOWING

He had had a finger slightly mashed, and the doctor had carefully treated it.

What do you think of it, Doc? he asked.

"Oh, it will soon be as good as ever," said the doctor.

"Sure of that, doctor?" he asked excitedly.

"As sure as can be," was the answer.

"Will I be able to play the piano?"

"Of course you will," assured the doctor.

"I'm glad of that," said the sufferer, "for I have been trying for ten years, and never struck a tune yet!"

FOR LOVE'S SAKE

"Every one who loves you
Loves to see you smile,
Loves to see you cheerful
And happy all the while.
Smiling is so easy
Never wear a frown;
When you feel one rising
Always smile it down."

NEITHER COOK NOR PEARY

A distinguished member of the National Geographical society is responsible for this latest addition to the literatrue of the Polar controversy.

"I was passing some little colored boys on my way downtown a day or so ago, and noticed that they were playing with two very pretty kittens. I asked the leader of the party if he had named the kittens.

"'Oh, yes,' was his reply. 'I call 'em Tawm and Jerry.'

"'Why not call them Cook and Peary?' I asked.

"'Deed, boss,' was the 'quick rejoinder, 'dese yere ain't polecats.'"

FOR SALE 50,000,000 ft. of NEW LUMBER

Here is a chance to BUY LUMBER at 30 to 60 per cent less than is usually asked for it. It is absolutely **brand new and first-class in every particular.** We bought **50,000,000 feet** from lumber mills at half the usual prices and we are giving the public the benefit of it. There is absolutely no possibility for you to go wrong in this matter. **Never in twenty years has Lumber been offered at such low prices** as we are selling it for now. If you do not take advantage of this chance, you are certainly missing a splendid opportunity. We will quote you freight prepaid price to your railroad shipping point.

SEND LUMBER BILL FOR ESTIMATE

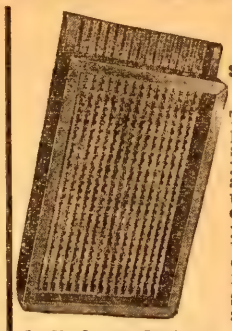
Include in your list every single article you need to build or improve. It makes no difference whether you need a full carload or not, we will save you money. Our stock includes everything in the building material line and it is good material too; nothing better manufactured. **Every dollar's worth of merchandise we sell is covered by a binding guarantee.** Thousands of satisfied customers everywhere.

Our Capital Stock and Surplus is over $1,000,000.00. We have a complete stock of **Plumbing Material, Heating Apparatus, Hardware, Fencing, Furniture, Carpets, Rugs, Office Furniture, Pipe, Culverts, Structural Iron, Tanks, Machinery** and practically everything at half the usual price.

WRITE FOR OUR FREE MAMMOTH ILLUSTRATED CATALOG No. K. G. 204

CHICAGO HOUSE WRECKING CO., 35th and Iron Sts., CHICAGO

MONEY MAKING



SEED CORN GRADER

$1.00 buys a patent PLANTER SEED CORN GRADER. The increased yield per acre pays for it several times in a year. How many acres have you? Figure what one of these Graders means to you. Any boy can use it. Will grade corn perfectly. Every farmer needs one.

Special price: Only **$1.00.** Send to-day.

O. K. SEED STORE, Indianapolis, Ind.

$2.00 a month—6½ cts a day will buy a Farm in Florida that should yield $5,000 a year profit

The map below shows how nicely our land is located at BUNNELL—the biggest Little town in the State of Florida. The main line of the Florida East Coast Railroad runs right through it. Two towns —BUNNELL and DUPONT—are located on our land. The great MOODY ROAD—60 feet wide—has already been built from St. Johns Park on the west to the Atlantic Ocean on the east. The KING'S ROAD (an automobile road extending the full length of the State—from Jacksonville to Miami) borders our land on the east. The FLORIDA EAST COAST CANAL, an inside waterway which extends the full length of the State, lies just east of us, which gives us water transportation and water freight rates.

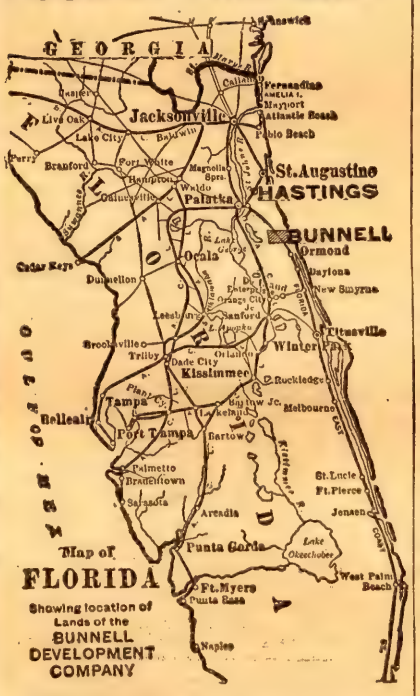
BUNNELL NOW HAS a Trunk Line Railroad, a Sawmill, a Shingle Mill, a Turpentine Still, a General Store, a Furniture Store, a Drug Store, a Bank, a School, a Church, an Hotel, a Livery Stable, 100 Houses, 400 Inhabitants, and 25,000 Acres of Good Farming Land.

We will sell 100 five-acre tracts, 100 ten-acre tracts and 100 twenty-acre tracts at $20.00 per acre, and on terms equivalent to only 6½ cents a day.

We can sell only 300 farms on these terms. The rest of our land must bring $25, $30, $35 and $40 an acre.

We offer these 300 farms at this low price and on the easy terms of 6½ cents per day, in order to start the colonization of our lands quickly. The lucky 300 people who secure these 300 farms will have an extraordinary bargain, for the land will probably double in price within the year.

LOOK AT THIS MAP!



Map of FLORIDA
Showing location of Lands of the BUNNELL DEVELOPMENT COMPANY

BUNNELL is where these farms are located, on the East Coast of Florida and on the Main Line of the Florida East Coast Railroad. The famous Winter Resorts of Florida are all around, while you can plainly see how close Bunnell is to the famous orange orchards, vegetable farms and potato fields which have enriched their owners and made Florida world renowned. It is only 12 miles from HASTINGS, where the farmers made $750,000 on their Potatoes last year.

The land is good. Land that will yield $200.00 to $1,200.00 an acre profit every year **MUST** be good.

The location is ideal. Not in a wilderness, but right in the very heart of a well-governed community.

Crops yield abundantly and come on the market in the winter, when prices are the highest.

The temperature is mild and pleasant during the winter months and not excessively hot during the summer.

The natural rainfall is abundant; an average of 49 inches a year is enough for every crop except celery.

We are located in the artesian belt and every acre of our land is subject to flowing wells.

The transportation is good. We have a good trunk line railroad and water transportation as well.

The price is ridiculously low when you consider that land twelve miles north of us is selling for from eight to twelve times as much as we ask.

The terms are exceedingly liberal—$2.00 a month—6½ cents a day—for a ten-acre farm; $4.00 a month for a 20-acre farm, etc.

You will have no taxes to pay until you receive warranty deed to your land.

You will have no interest to pay either on regular payments or deferred payments.

You will have no recording fees or commissions to pay, as we sell direct to actual purchasers only.

We deliver warranty deed to your land, if you desire, when you complete one-half your payments.

We allow you 13 weeks' grace on each of your monthly payments under certain conditions, if you should desire.

In case of sickness we will allow you 13 weeks of grace to resume payments, if you should require it.

In event of death your heirs will succeed to all your rights, title and interest in your farm.

You have the right to sell or assign your farm at any time by simply giving us notice.

We allow you 90 days to inspect your farm, or to have some friend inspect it, or to secure a report on it from some person in Florida, and after such inspection, if you are not satisfied, we will refund the full amount paid us and 8 per cent interest besides, according to our contract.

We guarantee you 10 per cent profit the first year. Your bank allows you only 3 per cent.

If you have any friends who wish to purchase, we will allot them farms next to yours. We are anxious to do all we can to accommodate you.

STOP

10% GUARANTEED!

We are so confident that this land will increase in value right away that we will guarantee 10% profit the first year. We mean exactly what we say. If you purchase a farm and are unable to sell it the first year for more than 10% profit, or if you consider the land has not enhanced in value more than 10% the first year, we will upon demand PAY YOU IN CASH 10% on your investment.

We are confident that every one of the 300 farms will be snatched up quickly, so if you want to be one of the lucky 300 you will have to act—AND ACT AT ONCE. So do not delay. Send the coupon below for FREE BOOK, MAPS, Etc. DO THIS TODAY. Remember, if you are not satisfied, we will refund your money according to contract. **Could we make a fairer proposition than this?**

FOLD HERE, TEAR OFF AND MAIL TODAY FOR FREE BOOK

BUNNELL Development Co.
739 Hartford Bldg.
Chicago, Illinois.

Gentlemen:—As I want to be one of the lucky 300 to secure a farm on terms of 6½ cents a day, I wish you would please send me your **FREE BOOK, MAPS, ETC.,** which further explain about your land at **BUNNELL, ST. JOHNS CO., FLORIDA.**

Name.....

Address.....

Send the Coupon today if you want to be one of the lucky 300

THE BUNNELL DEVELOPMENT COMPANY,
739 Hartford Bldg., Chicago, Ill.

10 PACKETS Farm SEEDS 10¢



A great trial collection of farm seeds composed of **Speltz,** the cereal and hay wonder. **Silver King Barley,** capturing the world prize with 173 bus. per A. **Rel. Bonanza Oats,** backed by four fine farms for biggest yields. **Billion Dollar Grass,** the Ten Ton Grass Wonder. **Salzer's** hardy, luxuriant **Alfalfa,** endorsed by Gov. Hoard as the best on earth, and **Five other packages.** All for **10c** in stamps, or send **14c** and we add a package of Nameless Corn for you to see and name and win

$500.00 in Gold

Write to-day. We are the largest growers of farm and vegetable seeds in the world. Catalogue Free.

JOHN A. SALZER SEED CO., 116 So. 8th St. LaCrosse, Wis.

4 SEED WONDERS



We have bought direct from Mr. Luther Burbank seed of his Giant Blackberry. Vines will trail on arbor or any support from 25 to 50 ft. producing enormous clusters over a foot long, berries large, exquisite flavor. Garden Huckleberries, grow from seed in 4 months, about 2 feet high, yield great masses of rich fruit, excellent to cook, can and preserve. Ground Almonds are nuts of delicious almond flavor for eating and will produce a crop in 4 months from planting. One nut planted will grow 100 to 200 nuts. Drought Proof Potato is a wonder, resists drought and blight everywhere. Big yielder, potatoes large, white, of best quality. For only 8c. for packing, mailing, etc., we will send trial packet each of the above 3 novelties and 10 Drought Proof Potato Eyes, carefully packed from frost with instructions how to keep for planting, and a 10c. Due Bill good for a 10c. selection from our 12 colored plate 1910 Seed Catalog, sent Free. Order today.

BURBANK'S GIANT BLACKBERRY

Drought Proof

Mills Seed House, Box 75, Rose Hill, N. Y.

MISS WHITE'S FLOWER SEEDS



THREE RARE CANNAS, One Orchid, One Crozy and One Mammoth Foliage type—and my handsome 1910 Catalog of

Choice Flower Seeds, All for 10 cents.

Please send also the addresses of two other flower lovers to whom I can mail my catalog. IT WILL PAY YOU.

MISS EMMA V. WHITE, Seedswoman, 3060 Aldrich Ave. So., Minneapolis, Minn.

5 Ever-Blooming ROSES FREE!

This grand offer will certainly appeal to every lover of beautiful flowers and bright, cheerful surroundings. These Roses are the healthiest monthly bloomers, possessing all the good qualities of brilliant color, delightful perfume and vigorous growth. Guaranteed to bloom this year

THE PHILADELPHIA.—The most magnificent hardy crimson Rose in existence.

CLOTHILDE SOUPERT.—This is one of the most beautiful white varieties ever introduced.

YELLOW MAMAN COCHET.—The best hardy ever-blooming yellow Rose in existence.

BRIDESMAID.—(Pink.) Hardy, vigorous and a constant profuse bloomer.

METEOR.—This is the best dark red Rose ever produced —a hardy, bushy vigorous grower.

Our Offer: Send 25c for a years subscription to Farm News, the finest little farm paper published, and we will mail you this grand collection of 5 Roses. To prevent freezing all orders will be held until planting time. Send your order today to insure getting the finest collection of plants.

FARM NEWS, 19 Factory Street, SPRINGFIELD, OHIO

SEEDS. 3 Pkts. FREE.



Park's New Everblooming Petunias. Finest known. A glorious, fragrant bed, 20 feet across, lovely shades and markings, the envy of your neighbors, **Free.**

1 Dark Purple, Rose, Carmine, Crimson.
2 Fancy Striped, Eyed, Veined, Spot'd, Star'd.
3 Edging Dwf White, Spangled, Throated.

5 Fine Gloxinias, 5 colors, 25c
7 Dble Begonias, 7 colors, 25c

My Flower Friend, write me a letter (*not postal*) and I'll send these **Grand Petunias (Worth 50c) and** *culture*, with **Guide**—all about flowers, packed with good things, nearly 1000 plain and colored engravings. I want to know you. Will you not write me today?

And When Writing Why Not Enclose 10 Cents for year's trial of **Park's Floral Magazine,** just what you need to help cheer and brighten your home. The **Oldest** and **Best** floral monthly in the world, and a welcome visitor in over **500,000** homes. Why not in yours? With it I'll send **Park's Surprise Seed Package, 1000 Sorts,** for a big bed that will delight you with flowers new and rare every morning the entire season. Money back if not pleased. Club of three 25 cts. Club with friends.

Address GEO. W. PARK, Box 52, La Park, Pa.

Magazine and 10 pkts choicest Flower Seeds . 15 cts.
Magazine and 10 pkts choicest Vegetable Seeds 15 cts.
Magazine and 20 pkts, enough for both gardens 25 cts.

GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

I am sure that this number of UP-TO-DATE FARMING will appeal to all farmers and gardeners, as there is profit in growing small fruits, if properly done. I am sure that the women folk on the farm will appreciate it, as the culture of small fruits falls very largely to them—may I hope that they will be so much pleased that they will send in lists of two-year subscribers at 50c each **in order that this Department may expand for their benefit?** A little work **the day you read this** will do it?

Sincerely,
SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

A Correction

An error was made in the review of the booklet "Sweet Peas Up To Date," in saying that it would be sent free. The price of the booklet is 10c and it is well worth the amount.—W. Atlee Burpee & Co., publishers, Philadelphia, Pa.

The market for small fruits is constantly expanding, as, for a number of years, there has been considerable scientific work done with them, resulting in improved methods of culture, as well as the elimination of poor varieties, and the exploitation of the better ones. For many years the small fruit was only a side-issue on the farm, but recent trips over large areas of farm country convinced me that the acreage has grown rapidly the past few years, and in many cases the best methods of culture adopted.

One of the things which has operated against the success of the small fruits on the farm is the fact that some of the finest of them require the most attention at the season (during the harvests) when the farmer is the busiest with his regular crops.

This resulted in their cultivation being left almost entirely to the women and young people on the farm, who, with their multitudinous other duties (although they might do the best possible) could not give them the attention they demanded. But I hope that this short-sighted policy will be abandoned by every up-to-date farmer, and regular provision made for the planting, cultivation, and marketing of all the small fruits which can be grown profitably in his section. The leading small fruit is

THE STRAWBERRY

This statement can hardly be controverted. There are more strawberries grown for sale than of all other berries, but my experience has taught me that there are not as many fine large, strawberries, in proportion to the number grown, as there should be. Some of the reasons for this have been given above. and others will follow.

The Soil For Strawberries

While strawberries will grow in many kinds of soil, yet they will do better in loose, sandy loam which is filled with humus, as they are great consumers of nitrogen, and the soil must be rich as they are gross feeders. Care should be used in the selection of the plot in which it is intended to grow strawberries. One should be selected which has been seeded to a legume, which should be plowed under, and the plot kept well cultivated to keep it free from weeds, as it is especially desirable that a strawberry-bed be as free from them as possible.

If a plot cannot be had with a legume to turn under, give a heavy application of well-rotted stable-manure which has been used to absorb the liquids from the stalls. This will add to the humus content, and give the needed nitrogen. The ground can, if desired, be put in some highly cultivated crop, and be well tilled during the summer, and given a disking or tooth-harrowing in the fall. In the spring it should be deeply plowed, as this is the only possible chance to deeply cultivate the soil during the life of the plot as a strawberry-patch.

The experiments made by several of the Experiment Stations show that better results have obtained on a soil fifteen inches deep than on one only twelve. Follow the plow with the disk, as the clods are then most easily broken up. If the soil does not disk mellow, it is recommended that it be again turned, and re-disked. Follow the disk with the smoothing harrow, and then the leveller, making the top perfectly level. If the soil is still cloddy, use the medium weight roller, but use care to not pack the soil too firmly if of a lime-stone loam, but on the other hand, in those sections where the soil is very sandy, the results have been best when the soil was firmed with the light roller.

Sod land should not be used for strawberries until it has had at least one year's cultivation under some crop such as corn or potatoes, and then manure heavily and treat as above. Some of the experiment stations recommend that such land be furrowed late in the fall to destroy most of the insects over winter.

Fertilizer For Strawberries

It has been demonstrated by experiment that there are a number of good formulas for fertilizers which are adapted to the growing of strawberries. A good home-made one is three parts of hard-wood ashes to one of ground-bone, harrowed in, using from one to two tons to the acre, according to the necessities and character of the soil. With this is used, when the buds break, nitrate-of-soda solution, in the proportion of one ounce of the crystals to three gallons of water, giving each plant a pint of the solution. Another formula which has given the finest results is (per acre):

1,500 pounds cotton-seed meal
1,000 pounds acid phosphate
250 pounds kainit.

An analysis of the above shows 7 per cent nitrogen, 14 per cent. phosphoric acid, and 12 per cent. potash. This will give 105 pounds of nitrogen to the acre, and will produce fruit of large size, fine color, and good substance, which will make them stand up well under shipping conditions. There are also a number of good specially-made fertilizers on the market, put up by reliable dealers, which are advertised in these columns. Keep in mind that the strawberry requires plenty of nitrogen, and you can hardly go wrong.

The Young Plants

Every berry grower should have a small nursery in his patch, and it should be at the best drained and warmest portion. In this should be grown the young plants which will be needed each year with which to set out his new ground. Those who grow the strawberry commercially will desire to have a patch coming into its second year's bearing every year, as this method gives the finest fruits, and catches the best prices. In the plant-nursery the mother-plants should not be allowed to bear fruit, and they should be grown flat, and not in the hill-row system as are the fruiting plants. This nursery should have the best possible cultivation prior to the time when the runners are ready to root, after which, if given at all, it should be done by hand. For hardy, thrifty, well-rooted plants, do not allow more than four runners to a mother-plant in one season, keeping off all others. You will get fair ones by allowing six to mature, but if more than that are allowed the best results can not be assured.

For the home garden, where the number grown is not large, or in case you are growing plants to sell, they should be potted. This is done by letting the runner-bud settle down to the ground, and then sink a two-and-a-half inch pot, level with the top, under it, when it will root in the soil of the pot. With the trowel in the right hand scoop out the soil, and set the pot in the hole with the left, and the trowel will quickly smooth around it. An experienced hand will set many hundreds in a day.

Some persons advocate cutting the

RATEKIN'S 100 BU. OATS

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young potted plants loose from the mother-plant as soon as they take root, while others allow them to remain attached until cold weather. I prefer to allow them to remain attached a month, when they are cut loose and become independent plants. The young plants must be kept well watered during the hot dry season of midsummer, as one drying out of the tender rootlets is fatal. After they are all established in the pots they can be mulched with straw or meadow-hay.

If you are going to grow a large number of plants and will root them in the open ground, go along the rows as soon as the runner-bud is fully formed and turn them all over the parent plants and give the soil along the rows fine cultivation, release the young runners, and they will have a fine bed into which to root, which they should do after the next rain, or sooner, if irrigated or watered. It is hardly possible to cultivate the young plants, and as soon as they have become well rooted it is best to cut them loose from the mother-plant and give them a mulching of straw or hay. For best results do not use the same plants for mother-plants more than two seasons, but they can be fruited the third season, when it will be their time to be plowed under. The life of a strawberry-patch should cover four seasons, one as young, partially bearing, plants and three as full-bearing, when they should be plowed under and another patch used which has been started at another place. In the home garden when grown by the hill-system, young plants can be planted at the intersections, and the locations where the old ones stood become the cultivated portions, but this requires heavy fertilizing.

Setting the Plants

One of the most important things to be done in the making of a strawberry-patch is the proper setting of the plants, which includes all the treatment they require after being taken from the pots until they are set in the soil. If you get the plants from a dealer, if they are potted ones, they can be set in a shallow trench, balls of soil and all and carefully packed about by hand to prevent air-spaces at the roots, and allowed to remain until needed for planting. However, if they are rooted-runners, grown flat, dig a trench a little deeper than the length of the roots, with one side perpendicular. Straighten out the roots, spreading them out at the same time, flat, along the perpendicular wall of the trench, and with the hand pack the soil tightly about them, being careful not to allow any air spaces.

All strawberry plants which have been properly rooted should be carefully root-pruned before being set out, and just at the time of planting. Cut off an average of one third of the roots, and trim off all the dead, rusty and large foliage, leaving only the foliage which makes up the crown. This makes the proper balance between the root and the top, and relieves the plant of the necessity of providing for the superannuated large leaves of the previous season. It will grow what it needs for the next season.

After the ground has been given its final harrowing and smoothing, mark it out with a marker provided for that purpose; or, in the home garden, with a line. If it is possible to make a choice of direction, run the rows North and South, as by doing so, the plants will get the most sunshine.

There are many ways of setting the plants, and a number of standard distances apart. For the "hill" system, when it is desired to cultivate both ways, make the hills at least thirty inches apart—some persons set them three feet; for the "hill-row" system, in which they are grown in hills two feet apart, but cultivated only one way—along the rows—make the rows three feet, between plants. For the "matted-row" system, set the plants two feet apart in the row, and the rows three feet apart. They are cultivated one way only.

The reasons for the different systems and their advantages, as set forth by their advocates are: In the hill system, by clean cultivation and the keeping off of all runners, one can get all fine large berries, without any hand weeding or hoeing. In the hill-row system, one can grow more plants to the acre, and get as fine fruit as by the hill system, but hand weeding must be done as well as hoeing between the plants. In the matted-row system one gets a large crop of medium sized berries, and the foliage keeps down most of the weeds in the row, making the production cost less per acre. I recommend the hill-row system to all except those who grow for the canners, as there are less culls and seconds by this method.

There are a number of standard ways of setting the plants in the ground. For large operations, the custom is to plow a furrow with a land-side-plow, about six inches deep. The plants are dropped by one person, and several others follow and holding the spread-out roots with the left hand, against the land-side of the furrow, pack the soil against them with the right foot. They become very expert at this and rarely miss a successful setting. The best method, especially where the number is not too great is to plant them with the dibble. This is done by taking the plant in the left hand, and making the hole with the dibble with the right. The plant is inserted, and the dibble is pushed into the soil close to it, with a motion toward the plant, which crowds the soil around its roots, and at the same time spreads them out and packs the soil amongst them. This action is rapid,

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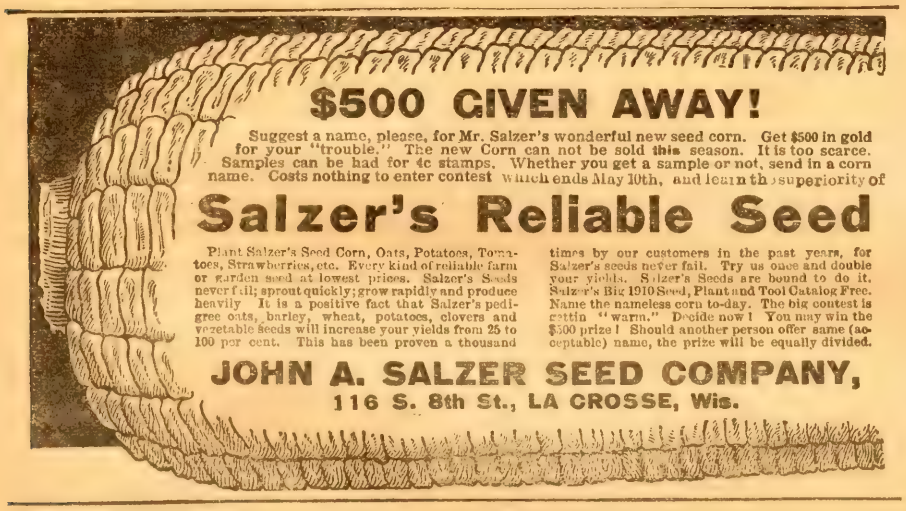
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My grand Combination Catalog is ready and you are mighty welcome to it. Shows Seed Corn, Seed Potatoes, Oats, Small Fruit Plants and Orchard Trees in many varieties. Sample growing Fruit Plant, FREE. Write for it and my catalog **Now.**

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Suggest a name, please, for Mr. Salzer's wonderful new seed corn. Get $500 in gold for your "trouble." The new Corn can not be sold this season. It is too scarce. Samples can be had for 4c stamps. Whether you get a sample or not, send in a corn name. Costs nothing to enter contest which ends May 10th, and learn the superiority of

Salzer's Reliable Seed

Plant Salzer's Seed Corn, Oats, Potatoes, Tomatoes, Strawberries, etc. Every kind of reliable farm or garden seed at lowest prices. Salzer's Seeds never fail; sprout quickly; grow rapidly and produce heavily. It is a positive fact that Salzer's pedigree oats, barley, wheat, potatoes, clovers and vegetable seeds will increase your yields from 25 to 100 per cent. This has been proven a thousand times by our customers in the past years, for Salzer's seeds never fail. Try us once and double your yields. Salzer's Seeds are bound to do it. Salzer's Big 1910 Seed, Plant and Tool Catalog Free. Name the nameless corn to-day. The big contest is cuttin "warm." Decide now! You may win the $500 prize! Should another person offer same (acceptable) name, the prize will be equally divided.

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Diamond Joe's Big White—A strictly new variety. None like it. It is the Earliest Best Big White Corn in the World—Because it was bred for most Big Bushels, not fancy show points; because grown from thoroughbred inherited stock; every stalk bears one or more good ears, because scientifically handled, thoroughly dried and properly cured and had the most rigid examination. Big Seed Catalog FREE. It tells about all best farm, grass, garden and flower seeds grown. Write for it today. Address, **RATEKIN'S SEED HOUSE, Shenandoah, Iowa.**

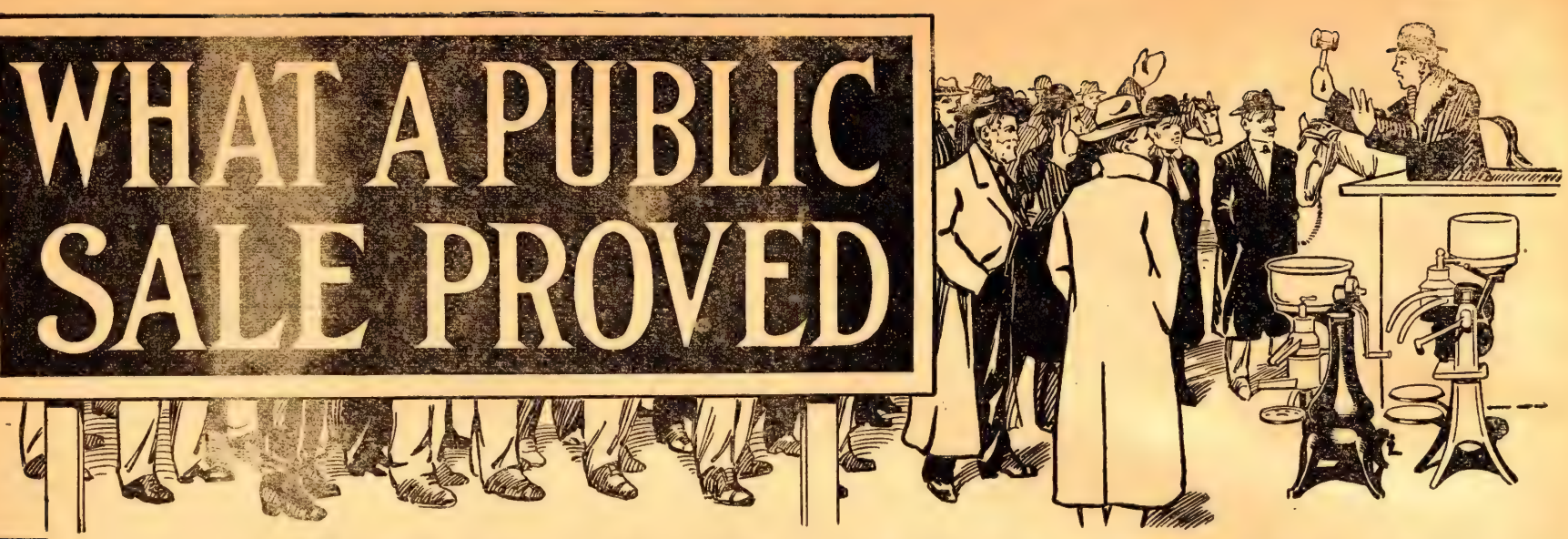
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One customer planted a pound of our potatoes and the second year raised 23 bushels of the best potatoes in the district. It took years to get our several varieties to their present state of perfection, giving more and better potatoes to the acre than any kind you can plant. We have done the same with our peas and beans—they are without equal for quality and yield. All our field, vegetable and flower seeds are hardy, northern grown. Write to-day for our new 112-page catalog. Free.

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WHAT A PUBLIC SALE PROVED



—ABOUT THE WONDERFUL

NEW BUTTERFLY CREAM

We print on the opposite page a remarkable letter from one of the thousands of satisfied farmers to whom we have sold New Butterfly of every machine we sell. We produce them right here in our own Chicago factory. We own and control all the patents on the New But factory buildings, grounds and equipment. We buy our own raw materials and employ a selected force of skilled mechanics. These things price. We do it and we don't ask you to pay two prices for our machines, either. We insist on selling New Butterfly Cream Separators dir hard. That is why their great army of representatives and agents say so many unfair things about us and the New Butterfly Cream Separ story. First, we ask you to read Mr. Collins' letter carefully, then we want you to take time to see what else we say here about the New Bu

If there is one place more than another where the real value of any article is determined, it is under the auctioneer's hammer. Here an backed by the smooth talk of any salesman, it falls down to its real worth. Plain men of experience who know values put the right price on

WHEN MR. COLLINS PREPARED HIS AUCTION BILLS

and among other things wrote, **"For Sale—on** for the machine than he had paid us for it a y extra butter he made last year with the New machine. On the other hand, his neighbor who owned a $100.00 agency machine, undoubtedly expected to get at least $60.00 at this sale for such a widely advertised piece bring at least twice as much as the New Butterfly Cream Separator which Mr. Collins owned.

BUT THE NEIGHBORS KNEW CREAM SEPARATORS

They knew what they were really worth, and been advertised by us but very little in the pa more than we ask you to pay us this year for cream separator, the name of which we do not print, out of consideration for its manufacturer, and because it is just as good as the average agency machine, sold under t machines could be given you than the record of this sale. Both machines were placed where all the neighbors could examine them carefully. They saw for themselves regard to ease of turning, simplicity of construction, convenience in cleaning and durability. In their opinion, the New Butterfly Cream Separator was actually **worth m**

THEY KNEW THAT THE NEW BUTTERFLY CREAM SEPARATOR SKIM

ence to the owner of a New Butterfly Cream Separator. The patented aluminum skimming device used in every New Butterfly Cream Separator is owned and controlled bowl and makes it easy for the centrifugal force within the revolving bowl to separate all the cream from the skim milk. But that is not all. Every drop of milk from th four to eight separate skimmings. That means it is impossible for any of the cream to be left in the skim milk. The neighbors knew these things and **they knew that thi hood.** And they were willing to pay $50.00 to get the New Butterfly Cream Separator.

THEIR WIVES KNEW THAT THE NEW BUTTERFLY IS THE EASIEST TO

cream separator made today can be cleaned so quickly and thoroughly as the New Butterfly and we are going to show you why this is true. In the first place, the New B which butter fat and slime will not stick. But even if it were necessary to scrub the one piece aluminum skimming device of the New Butterfly Cream Separator as you c more perfectly and quickly than any other. The aluminum blades are hinged at their inner edges so that they may all be spread wide apart like the leaves of a book mak wide open and easy to wash, as shown in the illustration, instead of being closed pipe shaped tubes as used in other separators. Warm milk decomposes rapidly and nothin that is another reason why the New Butterfly Cream Separator brought so much at Mr. Collins' public sale.

EVERYONE IN THE NEIGHBORHOOD KNEW

that this was the easiest running machine and those who attended t also found **that any ten-year-old boy or girl can run the New Butte** easily. In the first place all the gearing shafts are vertical and the always bathed in oil. They found also that the bowl and aluminum skimming device of the New Butterfly Cream Separator weighs less than seven pounds, whereas the b themselves **how much better the New Butterfly Cream Separator is made.** This was the first time some of them had compared the fine workmanship and high quality of m found that the New Butterfly castings were smoother and better finished, all the gears were more perfectly cut from a better grade of material, the supply tank was milk supply tank was only waist high and that it was as easy to empty a pail of milk into the can as to set it on an ordinary table. They saw that our skimming device shafts were made of finest quality carbon steel. They noticed that the bottom of the machine was closed with an iron apron to prevent oil from dripping onto the floor. not collect around the base and that the four legs lift the machine off the floor to permit of sweeping underneath. They could see from the quality of material used and t **and they were willing to pay quite a little more than our factory price to you** to get a New Butterfly Cream Separator that had been in constant use for one year.

WE HAVE USED TWO PAGES IN THIS PAPER TO LET YOU KNOW THES

your machine. We build every New Butterfly Cream Separator in our own Chicago factory. We sell direct to you at prices from only **$14.85 up to $46.30,** according biggest cream separator value ever offered. This machine will skim a quart of milk a minute just as perfectly as any $100.00 cream separator on the market and will l accident proof gears and a 2½-gallon supply tank. **We make five larger sizes** of the New Butterfly Cream Separator so there is one that will meet your requirements exac

HERE ARE OUR REDUCED PRICES ON OUR CO

No. 1 **New Butterfly Junior Cream Separator.** Capacity 100 lbs. or 50 quarts of milk per hour. For use where one cow is kept. Price..... **$14.85**

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No. 3 **New Butterfly Junior Cream Separator.** Capacity 300 lbs. or 145 quarts of milk per hour. For use where three cows are kept. Price..... **$23.95**

No. 3½ **New Butterfly Cre** Capacity 350 to 4 lbs. or 170 to 195 qt of milk per hour. For use wh four or five cows are kept. P

IF YOU HAVE EVER THOUGHT OF BUYING A CREAM SEPARATOR, or if you are dissatisfied with the machine which you now one of these machines fully and tells you just which one you ought to buy to handle the milk from the number of cows you own. Write

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...D MR. COLLINS' LETTER

Ansonia, Ohio.

Albaugh-Dover Co.,
Chicago, Ill.

Dear Sirs:

In the spring of 1909 I bought a cream separator of your people, called the New Butterfly No. 4 1-2, that cost me $39.80. At my public sale it sold for $50.00. My neighbor sold a ..... Separator that cost him $100.00 for $21.25. These machines were both sold at my place and on the same day.

I could have sold three or four more of the New Butterfly machines. You can look for an order as soon as I get moved and need a cream separator. Will move to Camden, ...io, the middle of February, 1910, so ...ease send all mail to that place.

Yours very truly,

J. N. Collins.

The Name of the $100.00 Agency Cream Separator which sold at this Sale for $21.25 is printed in Our Free 1910 Catalog of New Butterfly Cream Separators.

SEND FOR IT TODAY

...SEPARATOR

...m Separators during the past four years. We are the actual manufacturers ... Cream Separator in the leading dairy countries of the world. We own the ... us in a position to produce the finest cream separator made today at any ...o you, right from our factory. That is why other manufacturers fight us so ... This is really **your fight,** then, and we want you to know our side of the ...y Cream Separator.

...e is stripped of all the extravagant claims of the manufacturer. Not being ...ticle that is up for sale.

...Butterfly Cream Separator," he probably thought that he would get considerably less money ...fore. No doubt he would have felt satisfied to take $30.00 or $35.00 for the machine. The ...fly Cream Separator had already more than paid back to him the entire first cost of his ...hinery. Considering the price he paid he had every reason to think that his separator would

...sult, Mr. Collins tells you in his letter that the New Butterfly Cream Separator, which has ...ught him **$10.20 more after a year's use than he paid us for the new machine,** and $10.40 ...w Butterfly machine of the same size, direct from our factory. The other widely advertised ...mer **for $78.00 less than the agency price.** No better proof of the real value of the two ...y both machines were built and the kind of material used. They compared them closely in ...n **twice as much** as the high priced agency machine.

THE CLOSEST

They knew that Mr. Collins always got all the cream. Whether the milk is warm or cold, new or old, from fresh milch cows or from stripper cows makes no differ-

...usively by the Albaugh-Dover Company. It divides the milk into thin sheets as it enters the ...ne it enters the bowl at the top until it leaves the skim milk outlet at the bottom receives from ...**e machine had paid for itself more quickly than any other cream separator in the neighbor-**

...EAN

There is enough drudgery about housework, anyway, without adding to it by asking the women folks to wash the bowls and complicated skimming devices which are used in most other cream separators on the market. We guarantee that no ...fly skimming device is made of **aluminum,** the sanitary, easily cleaned, non-rusting metal to ...e many tin and tinned steel parts of other cream separators, this machine could still be cleaned ... easy for you to clean them quickly and perfectly. Not only is the New Butterfly skimming device easily cleaned but the milk and cream spouts are ...taint cream and butter so quickly as a foul smelling cream separator which cannot be kept clean. **The neighbors' wives knew all these things** and

...ad an opportunity of trying the two machines side by side. They found that it took the strength of a man and even two hands to turn the high priced separator. They ...**m Separator without getting tired.** They compared the way the two machines are built. They saw for themselves why the New Butterfly Cream Separator runs so ...nd of each turns in a phosphor bronze socket on a frictionless pivot ball bearing like the jeweled setting of a watch. Then, too, these frictionless pivot ball bearings are ... skimming device of the other separator weigh considerably more. And **they were willing to pay $50.00** for such a light running cream separator. They could see for ...ised in building our machine with that found in the other widely advertised cream separator. They ... one piece of seamless pressed steel—it could not be forced out of shape. They found that our ...le of **aluminum**—the expensive, sanitary metal—very strong and light. They saw that our gear ...so noticed that the frame of the New Butterfly machine was so constructed that dirt and dust can-... did workmanship throughout that the New Butterfly Cream Separator would **undoubtedly last longer**

...THINGS

about the New Butterfly Cream Separator. We want you to know that it is not necessary for you or any other man to pay $100.00 this year for the best cream separator made. It is not even necessary for you to pay as much as $50.00 for ... capacity of the machine you need. For only $14.85 we offer you our New Butterfly Jr., No. 1. The ...ng. It turns easily, skims perfectly and cleans easily. Has a 7½-inch crank, inclosed dirt proof and ...**Write today and get our Free Catalog.**

...ETE LINE FOR 1910

...rator. ...**4.50**

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CLIP ALONG THE DOTTED LINE

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Gentlemen:—Please send me by mail, postpaid, your Free 1910 Catalog of the New Butterfly Cream Separators.

1910

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1 pkg. Coffee Berry, a good substitute for coffee. [seed.
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also, in the hands of a skillful operator.

It is recommended that all plants be dipped in water of the temperature of the air before being planted. In all cases, set the plants so that the crowns will be level with the top of the soil, after it has been pressed about the plant. High and shallow planting are equally wrong.

Cultivation of the Strawberry

The cultivation of the strawberry, as well as other small fruits, should be begun as soon as they have become well established, and should continue as long as the warm weather lasts—in most sections until September. Do not cultivate for weeds alone, as this is but a side-issue, but to keep the soil mellow and to conserve the moisture. Probably the best instrument for cultivation is the 12-toothed harrow, or Planet, Jr. It thoroughly loosens the soil and keeps it level, and there is an attachment on the side which can be used for cutting off the runners when desired. Very weedy plots can be treated by attaching hoes which will shave off the top of the soil. If the plants are set for cultivation both ways there will be very little hand-weeding needed, but if work is begun in the spring (in the case of fruiting plots) as soon as the ground is in condition, there will be little trouble from weeds.

Summer Pruning

This practice is not as general as it should be; and is one of the reasons we find so much inferior fruit in the strawberry crates. Pruning should be severe the first year, and of a different character thereafter. During the first year of the independent life of the young plants, the rule is to keep off all runners and bloom, but I have produced as good results by allowing one fruit-stem to a plant, and pinching off all but six of the first berries formed. This does not tax the young plant appreciably, and gives a small crop of very choice berries, and enables the grower to get a line on his plants, and to determine whether special fertilizers, and special treatment, are giving expected results. The pruning is done to enable the plants to devote all their strength to producing a healthy crown and root system. After the first week of August, the plants should be stripped of their outer leaves, which should be burned, and a good commercial fertilizer applied around them, and cultivation be continuous, especially in those sections where moisture is scarce at this time.

By the first of September the winter mulching of straw may be given if convenient, but I think it is better to give it when the ground is frozen hard enough to bear a man's weight. This mulching is allowed to remain during the second season until the crop is harvested, when it is worked under with the shallow-plow. During the second season the runners are kept off, excepting when growing by the matted-row system, when enough are allowed to root on the rows to allow the plants to stand six inches apart—the rest being removed.

When the blooms are set, the plants should be gone over and any excessive number of the last ones set be removed, in order that the fruit will grade evenly. It is better to have twenty per cent less fruit, and have it fifty per cent. better in size and quality. The leaf-pruning in the fall may be done in large plots by mowing with a scythe, the leaves being raked off and burned. During the following seasons the plants will require stimulating, and cultivation, and more severe elimination of buds, as they will not bear as many perfect fruits in any one season after the second.

This depends very largely on your market as some sections prefer size. While others require the berries to be red to the very tip; all require firm berries. There are a number of old favorites which are still grown for the above reasons, among which are Bubach, No. 5, Parker Earl, Marshall, Sharpless, Glen Mary, Gandy, all of which are good commercial berries, and stand shipment. Among the newer, well-tried varieties are: Early season, **Advance, Excelsior, Golden Gate, Riehl No. 28,** Late season, **Blaine, Columbia, Williams, Quality,** and many others.

Harvesting and Marketing

The strawberry beds should be picked over every day to insure first-class fruit. Over-ripe or bruised fruit will not stand shipment well. The berries should not be picked while wet; they do not look inviting and will not sell to advantage. The carriers should be shaded from the sun, and when filled be at once put in a cool place, as every minute they are in the sun makes them break down that much sooner. The pickers should be required to pick the fruit with the stem attached, which can easily be done by pinching the stem between the thumb-nail and the fore-finger. A berry with the stem off is not in condition for shipment, as it will immediately commence to break down, and the less they come into contact with the hands the better. A good picker will scarcely touch them.

The berries should be picked into small boxes, which are set into carriers each holding six. While one carrier is being filled a full one should be taken away by another person and emptied on a tray in the picking shed, or other place under cover, where they are sorted over, all defective and immature ones removed, and the good ones re-packed into the shipping baskets. The best sorting tray is made by tacking cheese-cloth over a frame three feet square, on which the berries are put.

The best market for berries is a local one. Even if two or three cents a quart more can be obtained at a distance, the difference will be eaten up by the greater expense of handling. Only choice, sound, ripe fruit should be offered for sale on the market, local or otherwise, and it should be so evenly packed that if a box be inverted, the bottom layer will grade with the top one.

The best wooden boxes, or hallocks, are made of spruce or cypress, but

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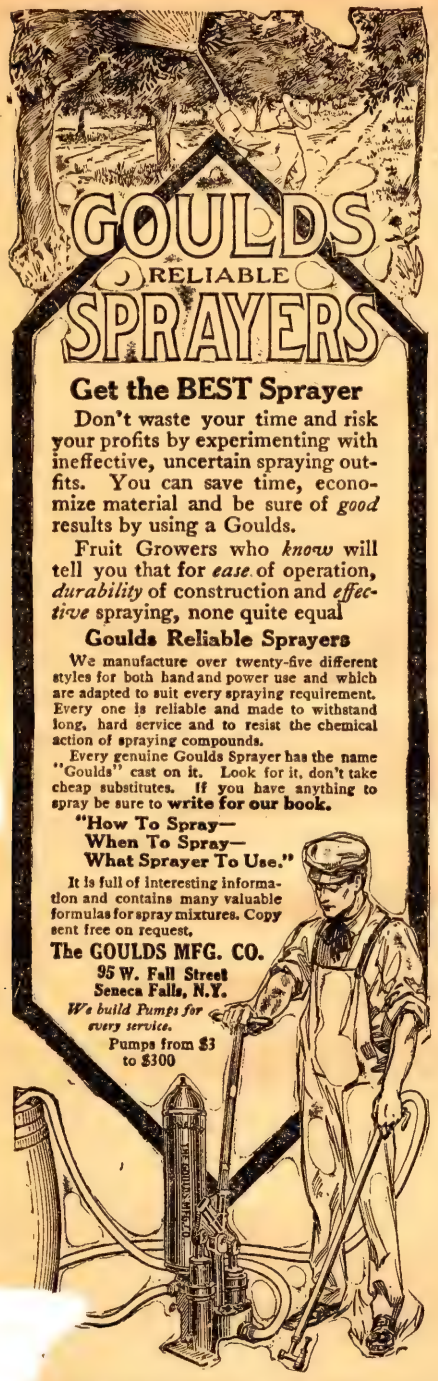
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Insect Enemies and Diseases

The insect enemies which commonly attack the strawberry in this country are the **crown-miner, root-borer,** and **leaf-roller.** The crown-miner burrows through the crown of the plant, and the only remedy is to watch for the first sign of it, and burn all infected plants, before May first. The same remedy is the best for the root-borer, while the leaf-roller is kept in check by the annual pruning of the plants after fruiting, and burning of the prunings.

The diseases which attack the strawberry are the **leaf-blight, anthracnose** and **mildew.** The two first are kept in check by spraying with Bordeaux mixture, while the latter, which is rare, can be overcome by dusting the plants with flour of sulphur.

The Raspberry, Blackberry, Dewberry, Gooseberry and Currant

As small fruits for the farm these have their places, varying with the locality, and the markets open to their products, every farm garden should have some for home use, and when a market can be developed locally, they are very profitable, but, except in the case of the large commercial grower, they cannot profitably be handled as a shipping crop. With a little effort a profitable home-market can be developed, especially in the red raspberries.

The Soil

The soil required for the above named berries is substantially the same for all. It should be deep, porous, and well-drained, and of such a quality that it will retain moisture. If it is lacking in humus it can be put there by means of stable-manure. A limestone loam is better than a sandy-loam.

The Fertilizer For Raspberries, Etc.

The above named berries do not require as great a proportion of nitrogen as does the strawberry. The fertilizer should be applied when disking previous to the setting of the plants. For a medium to good soil, use the following formula, putting on 500 pounds to the acre:

Ground Bone, 600 pounds.
Muriate of Potash, 400 pounds.

This analysis: Nitrogen, 1.5 per cent., Phosphoric acid, 12 per cent., Potash, 20 per cent.

For light soils, the following formula will be better:

Nitrate of Soda, 150 pounds
Ground Bone, 400 pounds
Acid Phosphate, 200 pounds
Muriate of Potash, 250 pounds.

This latter formula should not be used if the land has been grown to a leguminous crop within two years.

Preparation of the Soil

The above named berries respond splendidly to good preparation. The soil should have deep plowing and thorough harrowing before the plants are set. This is also indicated by the fact that these berries are a more permanent crop than the strawberry, as once set, they may stand for a number of years. Where the soil is "stubborn" it will pay to plow the ground several times, in order to get depth. If the soil is deficient in humus, first plow under a legume in order to add it, as this will give the cool moist condition of the soil which is required by these berries.

Propagation

The raspberry, blackberry and dewberry are generally propagated from suckers or sprouts, but they can also be grown from root-divisions or "cuttings." These are always very abundantly produced; in fact, they in time become a nuisance, and must be kept thinned out or they will over-crowd the rows to the detriment of the fruiting canes.

The plants are set three feet apart in the row when growing by the row system, or in hills four feet apart by

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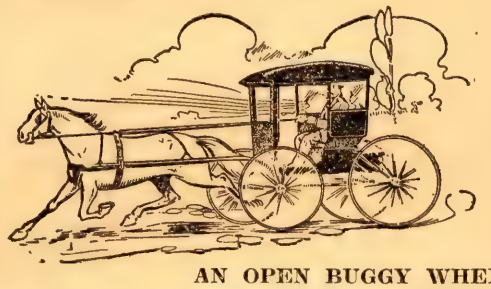
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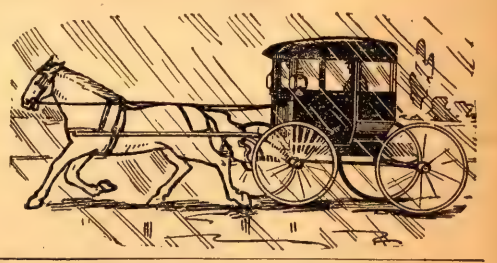
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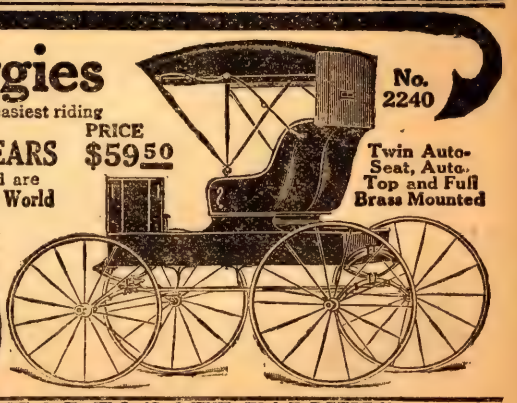
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the hill system. Each system has its advocates. The advantage which the latter has over the former is that it can be cultivated both ways, but the crop is smaller, per acre, although the berries are generally larger.

The currant and goose-berry are grown from "rooted-cuttings" or root-divisions, and should be planted four feet apart in the row. In several years they will touch, and the shade will keep most of the weeds out of the row.

The cultivation of the above named small fruits is similar to, and for the same reason as, that of the strawberry. It is intended to keep down the weeds, the soil mellow, cool, and moist, by conserving the moisture. Its frequency must be determined by the nature of the soil. The cultivation should cease after August or it then will encourage the growth of soft wood, which is likely to winter-kill.

Pruning

The red raspberry should not be summer pruned, excepting that the old canes should be cut out at once after the fruit has been all picked. In the spring the weak shoots should be removed and not more than eight canes allowed to a plant. The best berries will be found on one year wood, and they should not be allowed to fruit more than three years. This can be managed by using method in prunnig, so that each year there will be no canes more than four years old.

The black-cap requires summer pruning. The tips should be pinched off as soon as the shoots get to be two feet high, in order to induce side-branching. If these side-branches grow too long, pinch them back. Allow no canes higher than six feet. In the spring re-prune, cutting out weak and excessive growth.

The pruning of the blackberry is very simple, but very important. The large-growing sorts will require more pruning than the others, and those growing on poor soil will need less than those growing on that which is fertile. If allowed to do so, the blackberry will exhaust itself, in wood-growth in a good soil, hence we curb it by severe pruning. Pinch out the tops as soon as the canes are two feet high, and keep the resulting side-branches under control. Cut out the old canes as soon as the crop is picked.

The dew-berry requires very little pruning. Keep the tips pinched back to four feet canes, and allow not more than six to eight to stay ill, and never allow them to trail on the ground, but keep them tied up to the wires of the trellis.

The currant and goose-berry are pruned either to tree or bush shape, the latter probably being the better. All the extra shoots should be kept cut out, using one year wood for the fruiting canes and allowing not over a dozen canes to the plant. The old bearing-wood should be cut out after fruiting, and the new wood for next season kept pinched back. If the outer half of the flower cluster of the currant is clipped off you will get larger and finer fruit.

Training

The raspberries, blackberry and dew-berry should be trained to trellises. The best trellis for this purpose is made by setting posts in the row twenty feet apart, extending to a height of six or eight feet from the ground. On these at heights of three and five feet cross-pieces are nailed, and on the ends of these cross-pieces wires are strung on each side. These wires confine the bushes and permit of free cultivation. A wire, or a two-by-four piece can be run along the tops of the posts to steady them.

Harvesting and Marketing.

The instructions given under this heading for the strawberry apply equally well to the ones above named. The essential thing is to pick the fruit in the cool of the day; get it under cover as soon as possible, and do not pack it for shipment until it is thor-

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Corn yields thirty bushels to the acre; sorghum cane, eight tons; beans 800 to 900 pounds; broom corn one half to one ton at $160 to $200 per ton; wheat, 20 bushels; oats, thirty to sixty; rye and barley, thirty to forty; potatoes fifty to a hundred.

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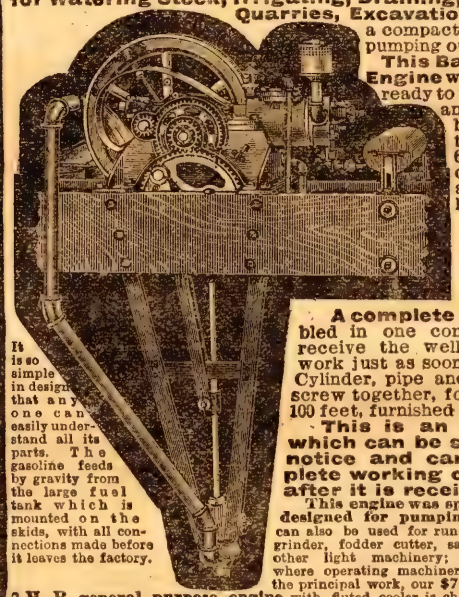
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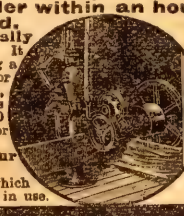
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oughly cool. Berries of all kinds should be picked when they are just ripe, but before they get soft, and the less handling the better. Keep them free from leaves, and all sorts of rubbish. REMEMBER that small fruits sell



very largely by their appearance. Pack your fruit in attractive packages, and adopt a brand of your own, than which none is as effective as the EQUITY LABEL, which every Equity farmer hould use.

ON'T SPRAY IN TOO COLD WEATHER

As the effect of climatic conditions on spraying in general is so little understood, and as a great many fruit growers try to spray in the winter months when work is slack, a word of caution at this time will not be out of place.

Spraying for scale may be done any time after the leaves drop in the Fall until they begin to open in the Spring, providing the weather is not too cold and the material can dry on the trees before freezing. Many people, however, suppose this can be done when the water on the ground does not freeze. This is a mistake, for rapid radiation on a clear day may force the temperature of the wholly fruit-bud down six or eight degrees below freezing point; so it is really unsafe to spray fruit trees, especially the peach, when the temperature is below 40" Fahrenheit, no matter what the material used may be. I believe that in every instance where I have investigated fruit-bud injury, it has been found that the spraying was done in very cold weather.

The following clipping was taken from Green's Fruit Grower, April, 1909:—

"The freezing of the leaves and buds on clear spring nights when the air temperature is above freezing point has been superstitiously looked upon as an effect of the moon's light. An English experimenter finds that, while all objects have the temperature of the surrounding air on cloudy nights, rapid radiation may produce a difference on clear nights, and a piece of cotton proved to be at times six and even eight degrees colder than the air. Plants may be similarly chilled below freezing, with the air above."

A few years ago the writer was on a fishing trip in Vermont and two nights in succession his bathing suit was frozen stiff on the line, while vegetation was uninjured. They were bright moonlight nights. Had the weather been cloudy, it is doubtful if this would have happened.

It is advisable, therefore, for fruit growers, who spray in the Winter time, to watch their thermometers.

B. G. PRATT.

Hardy Nursery Stock and Seeds

We have just been looking through the excellent catalogue issued by the German Nursery and Seed House at Beatrice, Neb. Mr. Sonderegger, the proprietor of the German Nurseries, in talking of the great success of his nursery stocck and seeds in all parts of the country, gives much of the credit to the rather severe climate of his district. It produces vigorous, hardy stock that can stand the raw, cold winters, and the dry, hot summers, if necessary. He will be pleased to send their splendid catalogue to anyone interested in seeds or nursery stock. To those who mention this paper when writing, they will send a free trial packet of their New Coreless Tomato seed.

SEED CORN TO INCREASE THE CORN CROP

INDIANA was the 9th state in acreage of corn in 1909, but the 4th in production. The states that excelled it in production are Ill., Ia. and Mo.
Indiana had the highest acre yield. It was 4.1 bu. more than Ill., 8.5 bu. more than Ia., 13.6 bu. more than Missouri and 20.1 bu. more than Kan.

The principal reason was in the superiority of Indiana Seed Corn. There are people in this state who have made the study, selection and breeding of corn a study for many years. Indiana Corn, and the variety which is the subject of my offer, has drawn the chief prizes in national and international contests for many years.

The Farmers Interest Corn

This is a white dent variety that I named and intoduced several years ago. It has earned for its originator the title of "Corn King of America." This variety won Gold and Silver medals at Paris World's Fair in 1900; First Prize at St. Louis World's Fair in 1904; Grand Sweepstake Prize at the National Corn Exposition at Chicago in 1907, and again when held in Omaha, in 1908. It has also won highest honors at other expositions, fairs and shows almost beyond number.

The soils in Ill., Ia., Mo., Kas., and some other states are as well adapted to corn growing as the Ind. soil, or better. Therefore it is not unreasonable to claim that planting Farmers Interest Corn on Ill's. 10,300,000 acres, would increase the crop 42,230,000 bu.; Iowa's 9,200,000 acres, 78,200,000 bu.; Missouri's 8,100,000 acres, 110,000,000 bu. and Kansas' 7,750,000 acres, 155,775,000 bushels.

These figures are a revelation but they are borne out by the evidence and facts. (All the figures are government reports.)

The time has come to increase the corn crop to keep up with the demand. It is of the utmost importance. The quickest and most practical way is to plant the **FARMERS INTEREST CORN.** I believe that, alone, will increase the average yield 5 to 10 bushels per acre. Believing this, and always being desirous of helping farmers I seek to make as wide a distribution of this corn as possible.

The Farmers Inerest Corn is suited to latitudes south of the Southern border of Michigan. It does as well in Tennessee and other Southern states as in Indiana. Read my offer and get seed free.

Remember, good seed with strong vitality is crop insurance. It pays big to get good seed. The little extra cost is made up to you many fold in the extra yield. Besides this corn will be in great demand among your neighbors for seed. Be first. Send $1.00, if you do not want to invest more and plant two acres this year. It will give you seed to use and sell next year. Our seed catalog is free.

We do not furnish seed corn in the ear. Our seed is all grown by expert and reliable growers, every ear being carefully selected, nubbed at both ends, shelled, graded, milled and tested. You will run no risk in planting this variety.



The grains of Farmers Interest Corn often measure 3-4 of an inch in length.

Price of Farmers' Interest Corn—By mail, postpaid, sample ear, 30c; large pkt., 10c; qt., 50c; 2 1-2 qts., $1.00. By freight or express, not prepaid, 1-4 bu., $1.00; 1-2 bu., $1.50; 1 bu., $2.50; per bag of 2 1-2 bu., $55.00. Bags free.

Please sit down and figure how much it will cost you per acre to plant this seed Corn. Don't be frightened because we ask more than market price for seed. This corn represents an enormous amount of care in growth, selection and preparation that is never included in market corn, nor in much corn that is sold for seed. One bushel will plant about eight acres, and those eight acres should yield you many bushels extra.

O. K. SEED STORE

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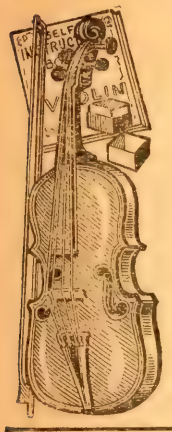
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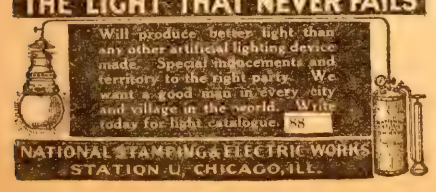
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THOUGHTS THAT COME

THE OLD ROSE BUSH

By John P. Stelle

On an outlying part of my father's farm was an abandoned field, where once had stood an old cabin in which had lived a pioneer family in the early days of Southern Illinois. All trace of human life and activity had long gone from it. The clearing comprised only a very few acres, now mostly grown up, but there could yet be seen the place where the cabin had stood, the principal mark being the little mound of baked earth and burnt stones that had constituted the old fashioned fireplace. The old field lay out in the open wood, and the stock, which then ran at large, kept the tender weeds and grass around the old house place nipped close, making it an attractive place for the children of my day to meet and play, the stately forest trees enclosing it all around like walls built for protection.

Near the pile of earth and stones that marked the old fireplace, grew a rose bush, that every spring opened its smiling buds, the only remaining evidence that a warm heart and gentle hands had ever lived there. Time and the power of uncultivated nature had planted thorns and briers, the mysterious call of the wild had brought rough tree growths closer and closer, but every time the sun returned from his visit beyond the Equator, calling again the song birds and wooing the spirit of gladness, the little roses on the old bush opened their eyes to welcome him, and gave their sweet breath to the forest breezes that found nothing more human to kiss.

Years before I knew the place, when all was wild, unknown and dark, when unbroken forest wrapped the surrounding world in its shadows, and human eyes saw only the little spot that constituted a home, a gentle hand, directed by a warm heart and prompted by a love of the beautiful, had planted the rose by the side of the cabin that was then a home. I do not know whether children played around it or not, whether [illegible] laughter ever woke the echoes of the trees, whether hopes and fears and joys and sorrows were ever felt or realized there, whether sweet memories of the little old forest home were ever written in loving hearts. But I do know that the family passed away, that the cabin they had called their home disappeared, that the earth and stone where fire had glowed to cook their meals and to warm them in winter, had become an unshapen mass; that the tracks they had made, the crops they had grown had all gone, and even the clearing they had called their farm had practically returned to the wood from which it had been hewed. But the rose still remained, still unfolded its green leaves and opened its bright red petals, emblematic of hope and love—softly sighed as the spring breezes gently touched it, sighed possibly for the kindly hand that had planted and cared for it in the years agone when human life and activity dwelt in the little home.

We are all planting something. Whether in an official's palace, a laborer's cottage, or a farmer's home, every wakeful hour of our lives seed is falling that may sometime grow and bloom and bear. What are we planting? We have within us both good and bad. Some time we shall leave the home. It may not return to the wild from which it once was ruthlessly taken. Others may take our places, and in other hands the old home may become brighter and grander. But we will leave it and disappear from the walls of men. What are we planting? Roses of love to make those who shall follow, sweeter, gentler, better, happier? Or will only thorns grow in our footprints to tell in eternity that we lived, but that we left nothing anywhere brighter than it was before we came?

Actions, words and even thoughts are seeds. Human hearts are fertile spots in which to plant them. "What shall the harvest be?" Remember the rose that grew where the old pioneer cabin had stood.

"BABY TALK"

The promptings of the loving mother heart, together with the mother pride in her baby, makes the temptation very strong to indulge in the silly baby talk so nearly universal where babies are just beginning to say words. And the fond mother is not the only one that indulges in this childish practice. The "stern father" tries it, though it must be confessed he usually "makes a mess of it." But the visiting young ladies, the light hearted warm headed, no, the light headed warm hearted, who are always ready to gush over something, they are the baby talk experts, and the wonder really is that babies ever learn to talk at all.

The baby is a learner. The better it is taught, the faster it will learn. Every friend of the baby rejoices when it speaks plain. Why not give it correct words to copy after? It will make laughable mistakes at best. So does every one trying to learn anything. The baby is doing its best to imitate the older people it is with. Of course it can learn to say simpler words easier than it can the more difficult ones; but it can learn real words as easily as it can learn gibberish that are no words at all. The pupil is trying to imitate the teacher. How silly for the teacher to try to imitate the pupil.

Talk plainly and simply to the baby. Whatever it learns let it be something it will not have to unlearn. And that applies to the child of larger growth as well as to the baby.

MRS. PANSY'S PARTY

By Mabel A. Rider, Paton, Ia.

In her home in the big garden,
On this sunny afternoon,
Mrs. Pansy has a party,
And her friends are coming soon.

Mrs. Rose is the first comer,
With her children, great and small,
In their clothes pink, white, and yellow;
They are glad to make the call.

Sweet Alyssum in white garments,
With a dress so fresh and neat,
While Miss Mignonette is with her,
And no others look so sweet.

Miss Carnation in gay colors,
With rows of ruffles bright and fine;
And Mrs. Pink dressed quite as pretty,
Proudly stand there in the line.

Sweet Peas gather in their bonnets—
They feel better wearing them—
And their frills are nicely shaded,
From the top down to the hem.

Miss Verbena says she's coming,
Soon as she gets on her best—
There! She's greeting Mrs. Pansy,
Gently nodding to the rest.

How they chatter, laughing gaily,
While the Blue Bells sweetly chime,
'Till some one says "Here is luncheon,
Spread upon that bed of Thyme!"

Sugared ices served in cherries,
With white snowflake wafers too;
From the acorn cups sweet rain drops,
And dessert of honey dew.

"Now in truth we must be going;
All too soon has passed the light.
We've been so happy, Mrs. Pansy;
Let us bid you, dear, good night."

ONLY AFRAID OF ONE THING

There is a certain very little girl who is also very cowardly. Her father, finding that sympathy only increased this unfortunate tendency, decided to have a serious talk with his little daughter on the subject of her foolish fears.

"Papa," she said at the close of his lecture, "when you see a cow ain't you 'fraid?"

"No, certainly not, Evelyn."

"When you see a horse, ain't you 'fraid?"

"No, of course not."

"When you see a dog, ain't you 'fraid?"

"No," with emphasis.

"When you see a bumblebee, ain't you 'fraid?"

"No!" with scorn.

"Ain't you 'fraid when it thunders?"

"No!" with loud laughter. "Oh, you silly, silly child!"

"Papa," said Evelyn solemnly, "ain't you 'fraid of nothin' in the world but mamma?"—Short Stories.

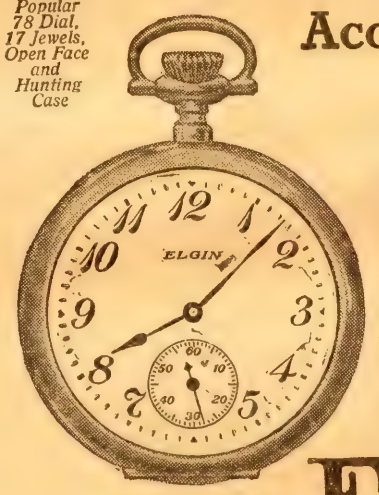
WONDERFUL ATTAINMENT

"Do ye think of all the inventions, Dinnis? The 'lectric loights, the tilephones, the woireless, the air ships, and all the rist?"

"Yis, Moike, and begarra, they'll soon have it so we can thravel widout lavin' home."

Your Time Demands an Accurate Timepiece

G. M. Wheeler Grade Popular 78 Dial, 17 Jewels, Open Face and Hunting Case



Why carry some old-fashioned, unreliable watch, from motives of mere sentiment, when your time, your SUCCESS demands a watch of unfailing accuracy and reliability?—an ELGIN.

Elgin Watches are standard wherever precision is imperative. One Elgin movement in particular that meets the needs of the average man is the G. M. WHEELER grade — a handsome, popular-priced watch with all the Elgin accuracy.

Elgin

watches include many different models—each meeting some particular watch requirement. There's a special model for you. If you will write and tell us the kind of work you do and how you use a watch we will be glad to fully explain the kind of Elgin Watch suited to you and tell you just where you can get it.

We make no charge for this expert service. Suppose you, write us to-day.

ELGIN NATIONAL WATCH CO., Elgin, Illinois

SONG AND SENTIMENT

I like to spend a moment with the poets, the modern poets. Thinkers and dreamers make thinkers and dreamers of us, and there are often thoughts and ideas that lift us out of ruts and show the silver lining to the darkest clouds. How sadly sweet is the following "Song of Rest" by Florence Tylee. Many a tired mother that you and I once knew, has found her "time for rest:"

O weary hands! that, all the day,
Were set to labor hard and long.
Now softly fall the shadows gray,
The bells are rung for evensong.
An hour ago the golden sun
Sank slowly down into the west;
Poor, weary hands, your toil is done;
'Tis time for rest—'tis time for rest!

O weary feet; that many a mile
Have trudged along the stony way,
At last ye reach the trysting stile,
No longer fear to go astray.
The gently bending, rustling trees
Rock the young birds within the nest,
And softly sings the quiet breeze;
"'Tis time for rest!—'tis time for rest."

O weary eyes! from which the tears
Fell many a time like thunder rain—
O weary heart! that through the years
Beat with such bitter, restless pain,
Tonight forget the stormy strife,
And know what heaven shall send is best;
Lay down the tangled web of life;
'Tis time for rest!—'tis time for rest!

But there are many things that cheer and brighten the mother-life, and make the apparently ceaseless burdens light. Such, for instance, as the following quaint verses by Harry T. Lee in Sunset Magazine:

When I bin skatin' all day long,
An' had a fight or two;
An' come home in the ev'nin' time
A feelin' mad an' blue;
There's just one thing that always seems
My angry thoughts to smother;
An' I fergit 'em when I see
The smilin' face of mother.

An' father sez when he comes home
From troubles on the street;
He sez that gentle smile, it makes
The whole blame world look sweet.
An' Carlo's dog talk says so, too,
An' so does sis and brother;
I tell you they ain't nothin' like
The smilin' face of mother.

It kinder brightens every place,
An' I know what I know,
That when I die an' go away—
Coz we all have to go—
I'll need one proof to show me where
I'm at, don't need no other,
I'll know it's Heaven when I see
The smilin' face of mother.

In the same strain there is comfort for the Home Maker, burdened with cares that seem to crush her ambitions, and prevent the attainment of the things to which she aspires. Sometimes we are doing the greatest things when we think we are doing the least. Here is how Margaret A. Richards tells it in Household:

"When this is done," she said.
"I shall have time to do the thing I crave,
For which a talent and a love of God gave;
Then I shall write a book with beauty fraught,
In loftiness of language and of thought—
When this is done," she said.

"When this is done," she said,
"How truly glad and thankful I shall be,
To do the thing for which God fashioned me!
To speak through the grand medium of a pen
Unto the very hearts and souls of men—
When this is done," she said.

"When this is done—" she said,
But ere the homely task was laid aside,
God touched her eye-lids gently, and she died;
Aye, died before was even yet begun
The work she felt God meant should here be done;
Yet: "Thou'st done well," He said.

"Thou hast done well," God said,
"To hold through lowliest tasks each high ideal;
To glorify with beauteous dreams the real;
To look with hope unto thy vision sweet;
While serving others with thy hands and feet;
Thou hast done well," God said.

While that sentiment is sweet and soothing, and helps us to forego many things it has, perhaps, been our life ambition to do, another poet, we do not know who, opens up real life to us, and points to what, after all, is the real line of duty:

Don't waste your time in longing
For [illegible]
[illegible] supinely [illegible]
[illegible]
[illegible]
[illegible]

...ho is Teething'
...low's Soothing Syrup should ...ed for children teething. It ...ftens the gums and al... ...s wind colic and is the ...ror diarrhoea. Twenty-five cts.

By shining just where you are.

There is need of the smallest candle
As well as the garish sun;
The humblest deed is ennobled
When it is worthily done;
You may never be called to brighten
The darkened regions afar;
So fill, for the day, your mission
By shining just where you are.

And while we are talking to and about women, the beautiful side of woman in the home, the tired side, if you please to call it so, we may let an exchange tell where woman belongs anyway:

They talk about a woman's sphere
As though it had a limit.
There's not a place in earth or heaven,
There's not a task to mankind given,
There's not a blessing or a woe,
There's not a whispered "Yes," or "No."
There's not a life, or death, or birth,
That has a feather's weight of worth
Without a woman in it!

But we must not forget that we are on the farm. I want farmers and their families to love the farm because I believe it is a good place to live, and UP-TO-DATE FARMING is doing its best to bring about conditions that will make it a better place than it ever has been to make money. I think we are sincere in that. But it is a great deal easier to sit on the fence, or lie in the shade somewhere, and see the farmer do the work, as the fellow did who wrote the following in the Chicago News:

I love to see the farmer standing sturdy in the wheat,
To see his brawny tawniness as with his straining arms
He tosses out the bulky sheaves that lie about his feet.
I muse upon the labor that is done upon the farms,
How splendidly the rugged men perform their 'lotted toil,
Beneath the burning splendor of the blazing summer sun—
Please understand that though inspired while looking at his moil
I do not care to do it; I just like to see it done.

'Tis fine to watch the threshers as they toss the golden grain,
To see them leap with vigor at the high and heaping stack.
One realizes fully that the future is not vain
When all our hopes are borne upon the farmer's honest back.
One thrills with inspiration 'till he almost joins the crew,
But watching from the shade perhaps, is rather more of fun.
These rugged tasks are efforts such as mighty men may do—
I do not care to do them; I just like to see them done.

Still, everybody wants to succeed, and the following rhyme tells how to do it, whether on the farm or in the office or the store:

"Say 'I will,' and then stick to it,
That's the only way to do it.
(Continued on Next Page.)

Stock Up with Fresh Soda Crackers

Instead of getting a large package of *loose* soda crackers that soon grow stale—stock your pantry with small *tight* packages containing

Uneeda Biscuit

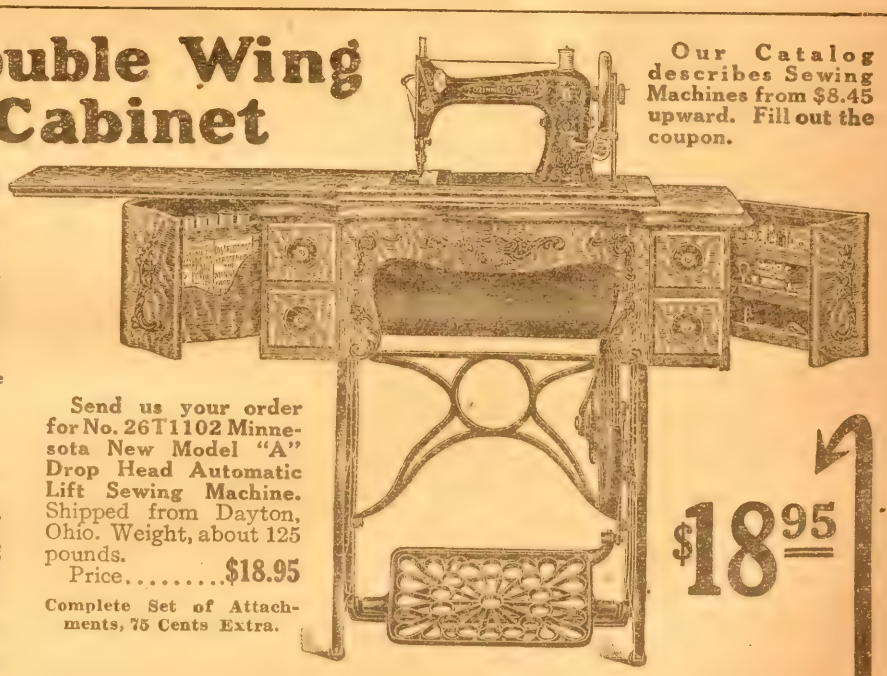
Fresh soda crackers every time you eat—the last as fresh as the first—because they are placed in moisture proof packages the moment they leave the oven.

5¢ (Never Sold in Bulk)

NATIONAL BISCUIT COMPANY

Our New Double Wing Drop Head Cabinet

Our Catalog describes Sewing Machines from $8.45 upward. Fill out the coupon.



THIS DOUBLE WING DROP HEAD CABINET is an entirely new patented feature, made exclusively for our Minnesota Model "A" Sewing Machines. A place for everything you use—the most compact and attractive of all sewing machine cabinets. Right wing velvet lined to protect tools and attachments. Left wing partitioned to hold thread, patterns, fashion books, etc. When closed these wings lock automatically over the four full size drawers. No key required.

The Minnesota Model "A" is a machine with the WORKS. The head is as perfect a piece of mechanism as a watch and is guaranteed by us for twenty years. It is the same size as all high grade family sewing machines for which dealers and agents ask from $40.00 to $60.00.

THE WOODWORK OF ALL OUR VARIOUS STYLES OF MODEL "A" SEWING MACHINES, as well as the style shown here, is of the very best grade of quarter sawed oak throughout. The stand of the Minnesota Model "A" is not only the best looking stand on the market, but is the easiest to keep clean and the lightest running.

OUR SPECIAL SEWING MACHINE CATALOG is a book you must have if you contemplate buying a sewing machine. It shows all our various models, many of them in colors just as they appear; illustrates the various parts, explains fully our twenty-year guarantee, our three months' trial contract, and describes the uses of all the special attachments. Fill out this coupon carefully with your name and address. The very day we receive it we will send you a free copy of our special Sewing Machine Catalog.

Sears, Roebuck and Co.
Chicago - - Illinois

Send us your order for No. 26T1102 Minnesota New Model "A" Drop Head Automatic Lift Sewing Machine. Shipped from Dayton, Ohio. Weight, about 125 pounds.
Price.....**$18.95**

Complete Set of Attachments, 75 Cents Extra.

$18.95

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Chicago, Ill.

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Tell them you saw the "ad." in Up-to-Date Farming

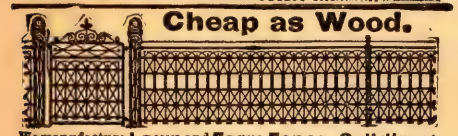
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Made of High Carbon Double Strength Coiled Wire. Heavily Galvanized to prevent rust. Have no agents. Sell at factory prices on 30 days' free trial. We pay all freight. 37 heights of farm and poultry fence. Catalog Free.
COILED SPRING FENCE CO.
Box 88 Winchester, Indiana.

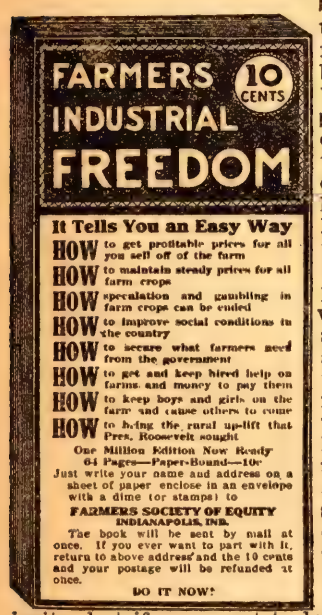
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We manufacture Lawn and Farm Fence. Sell direct shipping to users only, at manufacturers' prices. No agents. Our catalog is Free. Write for it today.
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READ THIS GREAT BOOK

If you are a farmer and have any business troubles read this book.



We want to place a copy of this volume in every farm home in the land. It is valuable beyond price, but we will send a copy to any person interested in solving the problems on the title page, as here shown, for only **10 CENTS.** Don't send out of curiosity, but if you want to learn what is of the most vital importance to your business and which cannot be learned elsewhere, send for it. To avoid any mistake use this coupon:

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Farmers Society of Equity,
Indianapolis, Ind.
Enclosed is 10 cents for which send me the new 64 page book *FARMERS INDUSTRIAL FREEDOM.*

My Name .....

My Address .....

Don't build up awhile and then
Tear the whole thing down again.
Fix the goal you wish to gain,
Then go at it heart and brain,
And though clouds shut out the blue
Do not dim your purpose true
With your sighing.
Stand erect and like a man,
Know they can who think they can—
Keep a trying."

But, boys, I can't stop this without hunting up a little piece for you. Some one said the United States is a braggart nation. W. J. Hampton in the New York World, says it isn't any such thing, and gives the reason. He says this country is just US, and if we want to say things we've a right to do it:

Great Scot,
What
Rot!
We a braggart nation?
Come off; you're dishing dirt;
Perhaps we're somewhat gushy,
But not enough to hurt.
Of course we've got a country
That's second now to none,
And as a nifty people
We rather take the bun;
Old Glory is a banner
That tops all other flags,
And as a textile fabric
It is the first of rags;
Our ships of war, that circled
This big, round globe, have set
Some pegs of navigation
Nobody's followed yet;
The steel that's in our railways
Would reach the moon and back,
And we've got locomotives
To haul them down the track;
Our buildings scrape the heavens,
And when the stars get tired
They roost up on their ridge-poles
And shine by being wired;
Our farms are so extensive
That one of them alone
Could swallow up a Kingdom
And hide its king and throne.
Our Trusts—but say,
Why get gay
Over our natural way?
By cripes,
If Uncle Sam swipes
Everything in sight,
Haven't we got a right
To refer in a modest manner
To the Star Spangled Banner?

A BOY'S PRAYER

Dear Lord, excuse Jim Banks and me
Fot hitting Aunty Griggs when we
Threw snowballs at the cat ,because
We did not know where aunty was!

Jim Banks and me are sorry, Lord,
For drawing teacher on the board,
And after what we got, we do
Not need more punishment from You!

Excuse Jim Banks, especially,
Because his mother's dead and he
Just heard of You the other day
And is too bashful yet to pray!

But You would like him if You knew
Jim Banks as well as we all do;
And if you have some clothes to spare,
Remember him, for he's quite bare!

He says old shoes will help him some,
And some worn pants; and he will come
Most any night, but where he stays
He earns his keep by working days.

And if there is an angel there
Who might like him and You can spare,
Would You mind telling this to him
And see what he can do for Jim?

And Jimmy's hat is straw and old,
You know the weather's pretty cold;
And Jimmy's ears stick out into
The weather, and his nose gets blue!

Dear Lord, please do the very best
You can for him! I've got a vest
And sweater on the closet shelf
That I am going to give, myself!

And, beg Your pardon, Lord, and pray
My soul to keep; and Jimmy may
Be president some day, and then
We'll all be proud of him. Amen!
—*J. W. Foley* in Saturday Evening Post.

CHANGED HER TALK

She possessed a mind discerning,
That was stored and jammed with learning,
And her thoughts forever burning,
She could suitably express.
All her sentences were rounded,
And her words imposing sounded.
I was really quite astounded
As I listened, I confess.
And the beautiful selection
Of the words and their connection
And her most correct inflection—
They were quite beyond all praise.
But I saw her very lately,
And she did not talk ornately;
All that language suave and stately
She no longer kept on tap.
She was saying, 'Bessums diddums.
Where de bad old pin got hiddums,
In his muzzer's p'ecious kiddums?"
To the baby in her lap.
—*Charlotte "News."*

THE THING TO DO

"We can not change yesterday—that is clear,
Or begin on tomorrow until it is here;
So all that is left for you and for me
Is to make to-day as sweet as can be."

A Big, Powerful Car For $1,000

The four Overland factories, employing 4,000 men, turn out 125 Overlands daily. Dealers' orders for this year call for $24,000,000 worth of Overlands.

Of these, Texas takes 1,500, Kansas 1,000, Nebraska 750. Yet the Overland is but two years old.

This wonderful car is now outselling all others. And the multiplied output, in the last year alone, has cut the cost 20 per cent.

No other maker now attempts to give what the Overland gives for the money.

Simplicity

The 25 horsepower Overland now sells for $1,000. It has a 102-inch wheel base, power for every requirement, and a possible speed of 50 miles an hour. Never has such a car sold for this money.

But the car's main attraction is its simplicity. It operates by pedal control—a method as simple as walking. A 10-year-old child can operate and care for it, for the car is almost trouble-proof.

This car has won a perfect score in a 10,000 mile non-stop run.

A 40 horsepower Overland, with a 112-inch wheel base, sells now for $1,250.

Amazing Success

The sensational success of the Overland is due to simplicity and to economy. In sections where Overlands are known, no other car has any chance to compete with them.

The modest price, the utter simplicity, the low cost of upkeep, appeal to all buyers. This is the car that nearly every man prefers.

Now we have dealers everywhere, so the Overlands this year will be in every community.

20 Per Cent Reduction

The Overland's success is also due to its price. No other maker ever gave nearly so much for the money.

Yet we have cut our costs this year about 20 per cent. through enormous increase in production.

The Overland we sell for $1,000 this year is better than the $1,250 Overland last year.

So with the $1,250, $1,400 and $1,500 Overlands. Each offers fifth more than ever before for the money.

All prices include Magneto and full lamp equipment.

Two Free Books

The new Overland catalog and "The Wonderful Overland Story" will both be sent free on request. They are the most fascinating books ever published on motor cars. Please send us this coupon today for them.

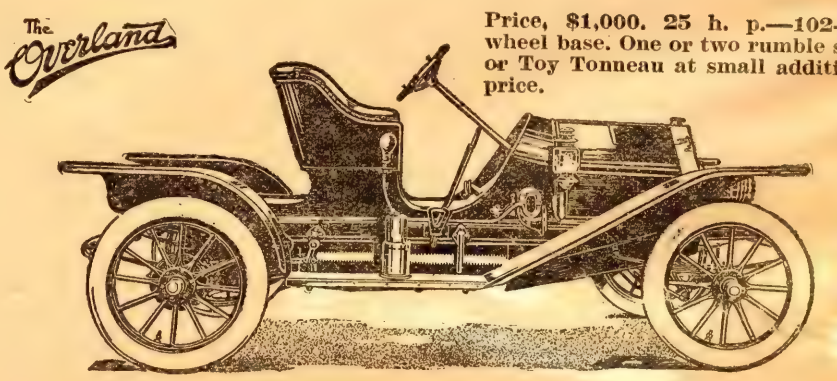
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Please send me the two books free.

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They mend all leaks in all utensils—tin, brass, copper, graniteware, hot water bags, etc. No solder, cement or rivet. Any one can use them; fit any surface; three million in use. Send for sample pkg. 10c. Complete pkg. assorted sizes, 25c postpaid. Agents wanted. Collette Mfg. Co., Box 183 Amsterdam, N. Y.

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CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

"The pen is mightier than the sword." Wise people came to that conclusion many years ago, and expressed it. Let us hope and pray for wisdom enough in the human family to recognize it universally. Then will the pen be cultivated and the sword allowed to rust for lack of use. A happy promise in that direction is our Cadets of Equity. Our country is broad no matter in what direction it is measured, and boys and girls are growing up in every part of it. The government mail reaches all of them, and guarantees to carry messages from one to another. This affords a golden link connecting aspiring minds, and UP-TO-DATE FARMING gladly takes those messages, and conveys them at once to bright young people not only everywhere in our own country, but even to "the islands of the sea." We do this to develop the power of the pen, to make each young person both a teacher and a learner, to widen the circle of friendship and love, and to insure broader minded, nobler, greater men and women of the future. That is our aim. Cadets of Equity. Students and lovers of fairness and truth, with minds and souls that constantly aspire to better things. We love every boy and girl, young man and maiden, whose names are enrolled in our long list of Cadet friends. But we must quit philosophizing, and get to the letters:

Dear Cadets:

My father came from Germany a good many years ago, and we have lived in Idaho 13 years. We have about 350 acres, but 190 acres are not in cultivation. We have 150 or more cords of wood cut on it, which is worth from four to six dollars a cord. We raise a great lot of wheat, which averages 45 to 50 bushels per acre; and we also raise oats, barley, hay and lots of vegetables. But we do not raise any corn; the nights are too cold for corn. Yet the weather is very pleasant, and the winters are not very cold. We do not have much snow. In the line of live stock, we raise hogs, lots of cattle and horses. The land is worth from $60 to $75 an acre, and the soil is very fertile.—A. Schnakbauer, Ferdinand, Idaho.

Again I am not very certain of the name, but that letter tells us a great deal that is interesting about Idaho. To show how wide is our Cadet home, we pass almost entirely across the country to introduce a New Hampshire Cadet:

Dear Cadets:

I live on a farm of 100 acres in the eastern part of New Hampshire, near Lake Winnepiseogee, which has a large number of islands in it. It is cold in winter and hot in summer; it is very cold here now (Feb. 18); there are two feet of snow. It is very beautiful here in summer, and we have a large flower bed, I have a row-boat in which I go rowing on the lake. I also have a pet dog named Congee, black in color and not very big. We keep cows and two horses; the horses are named Prince and Silver. UP-TO-DATE is our family paper, and we like it very much.—Marion E. Smith, Long Island, N. H.

I remember the name of the lake near which you live, Marion, as one of my geography puzzles when I was a boy at school. Our next Cadet lives in Missouri, where it is said people never believe anything until they are shown:

Dear Cadets:

We have not been taking UP-TO-DATE very long, but I think it is a fine paper, and I like the Cadet letters. I like to live here very much. I go to school and am in the sixth grade. My teacher is Mrs. Alice Wendt. She is very kind to me. She teaches the fifth and eighth grades. We now (Feb. 19) have a foot of snow. We have had more snow this winter than we have had for many years. I am 12 years old, and I have a brother ten and a sister five years old.—Mabel Rodgers, St. James, Mo.

It is an excellent sign for children to love their parents and teachers. I am sure the young people are better writers than they used to be. The penmanship of the next letter is hard to beat:

Dear Cadets:

I am 14 years old, and have black hair and blue eyes. I have been a reader of UP-TO-DATE for some time, and I like it very much. I have become greatly interested in the letters from other Cadets, and I hope this letter will make me a Cadet of Equity. I have not been to school since last November. I live on a farm in the northeastern part of Connecticut, where we have severe winters and hot summers. In winter we have plenty of skating here, as we have a small lake on our farm, where the boys and girls go skating, a sport I enjoy very much.

In winter Mamma and I stay alone on the farm, and I have to milk the cow. We have all the chores to do—take care of two horses, one cow, two cats, and a flock of Brown Leghorn hens. I love horses, and drive when Mamma will let me. I want to learn to ride horseback, but we have no saddle, so I haven't tried to learn yet. I think I should like ranch life very much indeed. We raise potatoes, oats, corn, and nearly all kinds of garden vegetables. We like UP-TO-DATE very much, and I would like to correspond with any of the Cadets. —Lila Wallace, Elliott, Conn.

Do not get to thinking too much about life in the West, Lila. Such thoughts sometimes beget a spirit of restlessness that is harmful. Persons writing of ranch life seldom speak of the hardships, but they are there. Another representative comes from the new state of Oklahoma.

Dear Cadets:

I want to join your merry little circle. I am a girl 15 years old, have light hair, and am five feet two inches tall. I have two sisters and two brothers married, and they all take UP-TO-DATE FARMING. I have not been attending school much this winter on account of ill health. I have traveled a good deal in my life, and I enjoy it very much. I read a letter from a young turkey raiser, and I was glad to read it, for I am one myself. I sold 18 turkeys last fall and they brought me $31.86. I buy all my own clothes, and I have also bought me a nice new trunk and a nice saddle and bridle, and then a yearling heifer. I own five head of stock in all. This is a good stock country; but farmers raise corn, broom corn, cane, kaffir corn, wheat, oats and rye.

Since my sister Myrtle and I have saddles, we often go horse-back riding, which we think jolly fun. We have not taken UP-TO-DATE FARMING but about six months, but now we could not get along without it. Wishing to become a Cadet, I will close, and will answer all cards promptly.—Pearl E. Anderson, Wayneka, Okla.

Pearl, you will certainly be a business woman, just the kind to help build up your grand new State. Another plea for admission comes from the old State of Kentucky:

Dear Cadets:

I have been reading UP-TO-DATE FARMING, have become very much interested in the Cadet letters, and I wish to become one of you. I am a little girl 12 years old and I weigh 69 pounds, and I have black eyes and brown hair. I live near the mouth of the Kentucky river, and can see the boats running in both the Ohio and Kentucky rivers. This part of Ken-



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EARN WATCH—RING and CHAIN WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely designed case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.



Dale Watch Company, Dept. 53 Chicago



TOMATO GRAPES

A Great Curiosity for garden or yard, just what you want, grow from seeds in 4 months, will climb an arbor, porch or any support 10 to 15 feet, vines completely loaded with large clusters of fruit, size of grapes, flavor of tomatoes, red in color, excellent for preserving.

Lemon Cucumbers, a splendid fruit, grow on long vines in great abundance; color, shape and size of lemons, quality equal to the best cucumbers.

Early June Cabbage is the earliest of all, forms good size heads in June.

Early July Tomato is very smooth, bright red, ripens in North by July 4th.

Our Special 4c Offer

To introduce our seeds we will mail one **trial packet** each, all 4 pkts. in **Coupon Envelope** for 4c, and coupon envelope will be accepted for 6c in pay for any seeds we offer in our catalog. 1910 8-Color Catalog is handsome book of seed bargains, sent free with every lot.

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Any one can advertise almost anything they want, but the question that you as a consumer are interested in is

Can They Back Up Their Statements?

We can say that we are the largest tire builders in the world, but we're not. We can also say that we equip more cars with tires than any other company, but we don't.

We can also say we have all the business that we can take care of—but we haven't—FOR WE WANT YOURS.

And—we do say that we are the BEST tire builders in the world, and this we can prove to you provided you will give us a trial.

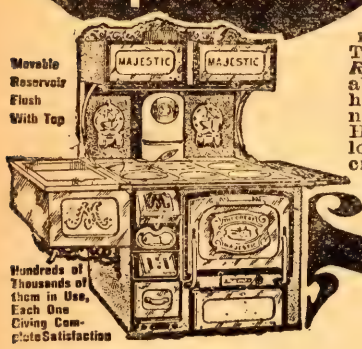
Branches in Seventeen Cities.

THE FISK RUBBER COMPANY

Write Dept. 2 for Literature. Chicopee Falls, Mass.



The Range with a Reputation



These Prosperous Times Warrant The Best

of everything for the farmer—and the farmer's wife. You would not for a minute think of reverting to your grandfather's method of reaping grain with the scythe and cradle. Why then should your good wife suffer the annoyances and inconveniences of an old style cook stove, or cheap range. The best binder, mower, plow, or cultivator is none too good for your use—the best *Range* that money can buy is none too good for your WIFE.

The Great Majestic Range is indeed worthy of your most careful consideration. It is a *Range with a reputation* built on HONOR of the best materials—and while the first cost of a *Great Majestic* may be more than some others, it *out-wears three ordinary ranges,* and its *Fuel Saving, Baking and Water Heating* qualities make it much cheaper in the end.

Here are the reasons:

The *Majestic* range is made of *Malleable Iron,* and *Charcoal Iron. Charcoal Iron* won't rust—*Malleable Iron* can't break. They are put together with *Rivets* (not bolts and stove putty) making them absolutely *Air Tight* like an engine boiler. No heat escapes or cold air gets into the oven, thus needing only half the fuel used in other ranges. Heat, causing expansion and contraction is what loosens the stove putty, opens the joints and cracks the cast parts of cheap ranges. All joints in *Majestic Ranges* are riveted, (no stove putty used) are airtight, and stay that way. The Majestic isn't lined with asbestos paper covered with steel, but *is lined with guaranteed pure asbestos board one quarter inch thick, covered with an iron grate,* put there to stay—you can see it.

The reservoir is *all copper,* heated like a tea kettle through copper pocket (stamped from one piece of copper) setting against left hand lining of fire box. It boils 15 gallons of water, and, by turning lever, the frame and reservoir moves away from fire. This feature is patented and is used only on the *Majestic.*

Remember these three important features: *The material the Majestic is made of—the way it is put together—the reservoir*—then glance at a few of the other features posessed by the Majestic that follow:

All doors drop down and form perfect and rigid shelves. *Malleable oven racks* slide out, automatically holding anything they contain. *Open end ash pan* prevents shoveling ashes out of ash pit. *Ventilated ash pit* prevents floor from burning. *Ash cup* catches ashes that would otherwise fall on the floor.

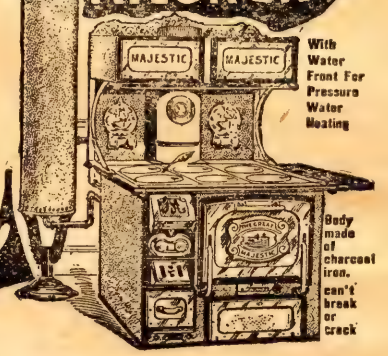
The Great and Grand
MAJESTIC
Malleable and Charcoal Iron
RANGE

No springs anywhere to weaken or get out of fix. It's the best range at any price, and should be in YOUR kitchen. It is for sale by the best dealers in nearly every county in 40 states. If you don't know who sells them in your vicinity, write us and we will tell you, and send you our booklet "The Story of Majestic Glory." Every farmer's wife who contemplates buying a new range should first read this booklet.

Majestic Manufacturing Company,
Dept. 147 St. Louis, Mo.



It should be in your Kitchen



This "THREE SHOT" Single Gun is Yours for $5.90



This is a Genuine HOPKINS & ALLEN First-Quality Gun.

To which we have attached a clip holding two shells in instant readiness for your second and third shots—right where it's quick to get at them. You eject automatically by opening the gun and slip in a new shell in a twinkling. You save your game—if the first or second shots are missed.

It makes a three shotgun out of a single.

We will send you this gun *Express Prepaid* on receipt of $5.90. Take advantage of this great offer *now.* Made in 12 gauge, 30 inch barrel.

Our big catalog shows the largest line of shotguns, rifles and revolvers made. Sent free on request.

THE HOPKINS & ALLEN ARMS CO.
108 CHESTNUT ST., - NORWICH, CONN.

Beautiful Silk Remnants For Quilts
BED SPREADS, SOFA PILLOWS AND FANCY WORK OF ALL KINDS
SILKS
BEST QUALITY OF GOODS, PLAIN COLORS, STRIPES, PLAIDS AND FIGURES.
Large sample package by mail, 16 cents; two packages, 25 cents. Stamps taken. Satisfaction guaranteed.
Silk Patch Company, Dept. F., Williamsport, Pa.

tucky is noted for White Burley tobacco, which is our most important crop. We also raise corn, wheat and oats. And this is a blue grass region, famous for fine horses and cattle and pretty girls. I have four brothers older than I am. Papa and mamma read UP-TO-DATE FARMING, and think it is a fine paper. I would like to correspond with Grace Harssema.—Grace Sturgeon, English, Ky.

Yes, blue grass and tobacco make Kentucky a famous State. We welcome another Cadet from the Buckeye State:

Dear Cadets:

I hope you will let a girl from Ohio enter your merry circle. I have just started to take UP-TO-DATE, and I think it very nice, especially the post cards I got from Mr. Everitt for subscribers, for which I thank him very much. I hope to get some more subscribers. I am 13 years old and live in Southern Ohio. I have a colt that will soon be two years old, and I can hardly wait until he gets trained to ride. I moved from Cincinnati five years ago, and I like the country better than the city.—Anna Kraft, Otway, O.

I am glad you like the country better than the city, Anna. The country needs people and the cities do not. The Equity plans will make country life still more attractive. I now introduce a young lady from Minnesota:

Dear Cadets:

I have been reading the Cadets' interesting letters for some time, and I would like to join your happy family. I am 17 years old, have brown eyes and brown curly hair, and have neither brother nor sister. I live in Mower county, Southern Minnesota, on a farm of 164 acres, 5 miles from Lyle, a thriving railroad town. Our farm lies on the west side of the Cedar river whose banks are lined with timber, wild grapes, plums, crab apples, berries and wild currants. It is a beautiful stream, with plenty of fish and clams, from which valuable pearls have been found, some bringing as high as $300 each.

We raise horses, cattle and hogs, together with geese and chickens. On my 17th birthday, I was given a nice bay colt, for which I was just offered $200, but I refused it. Her mother has been our family horse for years. One evening I rode her after the cows, and found a young calf too weak to walk through the slough I had to cross. I called to the hired man for help, but he was not able to carry it. So I asked him to lift it on the horse in front of me, which he did, and I brought it safe home. I do not boast of being an expert rider, but if any of the girls can do better I would like to hear from them.

I am undecided which is best to do, remain on the farm, get an incubator and raise poultry, or go to college and take a course in short-hand and typewriting. Will the Cadets and editor give me their opinion which will prove the most profitable? I would like to exchange post cards with all the Cadet members, and I would also like to hear from Kenneth J. Cobb. Best wishes to the Cadets, and success to UP-TO-DATE FARMING.—Susie M .Cole, Lyle, Minn.

The question you put to us, Susie, is of life importance. I like the farm, and I can't see any prettier picture of life than two congenial souls in a pleasant home surrounded by the things that pertain to a successful farm. There is independence, there is goodness, and there is happiness in it. And then life on the farm may glide so gently down to the quiet sunset. That can scarcely be said of any other life. The life of a stenographer is full of change and uncertainty, and it ends in marriage, where the sweetness of farm life really begins. Here comes a letter from the old North State:

Dear Cadets.

I have been taking UP-TO-DATE for some time, and I like it ever so much. I am 15 years old, have brown eyes and hair, and weigh 109 pounds. I live in the lower edge of Burk county, on the Catawba river, on a hill farm just below the cliffs. We have a beautiful view of the river, and of the C. and N. W. railroad, which runs along our low ground. I can do almost any kind of farm work on the farm. I like to work in the field, and I enjoy horseback riding very much. I have a fine little horse to ride. She is a bay, and is gentle and trusty in every way. I like to hitch her to a buggy and drive. We have been having a very rough winter, the roughest for several years. Wishing Mr. Everitt great success.—Edna Winkler, Hickory, N. C.

It *is pleasant* to get letters from everywhere. Another Buckeye knocks at the door:

Dear Cadets:

I have been a silent reader of UP-TO-DATE for several months. We all think it is a fine paper. I am 17 years old, and have dark brown hair and brown eyes. I am 5 feet and 5 inches tall, and weigh about 125 pounds. I can do any kind of housework, and I like to ride horseback. I have a side saddle and a riding bridle, and I ride a horsie named Nettie. We also have a big black horse named Jim, that can open any door or gate on the place. I take music lessons, and can play and sing almost any kind of music.

I live in the south central part of Ohio, in Pickaway county, on the Mt. Sterling and Circleville pike, between the two thriving little towns of Pherson and Five Points. There is one high school, several common schools, and several churches in Monroe township. We have had a good deal of snow this winter, and sleighing has been fine. There is good sleighing now, and there have been a good many sleighs out to-day (Feb. 20). We have pleaasnt summer weather here, and 'most all kinds of crops do well, as do fruits and vegetables also. This is mostly a level country; there are a few hills, but they are small. I like to read the letters and would be glad to correspond with some of the Cadets.—Elizabeth M. Walston, Williamsport, Ohio.

I would like to comment more on the letters, but there is getting to be so many of them I have to be brief. We welcome another Michigan girl:

Dear Cadets:

We have taken UP-TO-DATE for only a short time, but I have noticed that the Cadets are a very enterprising crowd, and I would like in future to remember myself as having been one of them.

I live 10 or 12 miles north of Lansing, the capital of the State, and we came here from Indiana only last April. I am 18 years old, have black hair, and weigh 115 pounds. So far as keeping up with Ethel Cartwright riding horseback, I would have to go "way back and sit down," for I have lived in town the greater part of my life, and that accounts for it.

My home is only a few steps from the Looking Glass river, and I enjoy myself a great deal in the summer time on its banks. I think country life is as free a life as any one would care to have, but I prefer the town or city. At first I thought

Which is the Better Roof



3 Years After Laying?

A composition of tar paper roofing which dries out in a few months, rots, and is a constant fire menace—or a galvanized, fire-proof Edwards Steel Shingle Roof which outlasts composition roofing six times and wood shingles four times.

Yet Edwards Steel Shingles cost half as much as best cut wood shingles and about the same as high-grade 3-ply prepared roofing.

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Easy to Put On—Cheapest Fire Insurance

Come in stamped sheets of finest Bessemer Steel, 5 to 10 feet long, covering width 24 inches, either galvanized or painted. Can be laid with hammer and nails. No soldering—no tarring—no trouble.

$10,000 Guarantee Bond Against Lightning. We will refund amount paid for our steel shingles if your roof is damaged by lightning.

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The Edwards Manufacturing Co.
212-242 Lock Street [11] Cincinnati, Ohio

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Satisfaction guaranteed. ALTON WATCH CO., Dept. 491 CHICAGO

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to all who trade here—write our advertisers. See guarantee of advertisers in this issue.

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"It is an earnest argument for a higher appreciation of the dignity of agriculture as a vocation. * * * It aims to give agriculture its proper place among the noblest of industries and enable farmers, by co-operation, to secure rights and benefits to which they are justly entitled.—Journal, Indianapolis, Ind.

Should be read by all farmers.

English or German Edition, 50c postpaid.

UP-TO-DATE FARMING
Indianapolis, Ind.



FREE SEND NO MONEY

Just your name and address and we will send you 24 packages of our New style **Easy-to-Thread Gold Eye Needles** and 12 **Satin Finish** Pure Aluminum Thimbles, all post paid with **Big 16 Page Premium List.** You sell the Needles at 5 cts. a Package and to each person that buys 2 Packages, you give a Thimble **Free.** Your success is certain. When sold send us the $1.20 and we will send you the Premium you select and are entitled to in the Premium List, order at once and get extra Presents **Free** - Address

Globe Novelty Co., Box 608 Greenville, Pa.



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Our American made, stem wind watch with beautifully designed case, factory-tested, guaranteed for 5 years, and exquisite ring set with a brilliant stone are given to boys and girls for selling 20 packets of high grade art post cards at 10c a packet. Order 20 packets to-day. When sold, send us $2.00 and we will positively send you at once the watch, ring and chain.

Palace Mfg. Co. Dept. 507 Chicago

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Not a Nickel Plated Watch like those often given as premiums. We mean a Beautiful Gold finish Irving Watch, Factory Tested and Fully Guaranteed, also a Beautiful Chain and Compass Charm, for selling only 20 packages of beautifully colored art post cards at 10 cents a package.

Write for the post cards today. State whether you want a Ladies' or Gentleman's Watch.

The Irving Watch Co., Dept. 63. Chicago

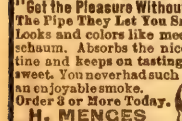
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WATCH RING & CHAIN FREE FOR SELLING POST CARDS

We positively give FREE a STEM WIND, STEM SET, BEAUTIFULLY ENGRAVED, Plated WATCH, equal in appearance to Solid Gold Watch, American made, guaranteed 5 years, and a beautiful Ring set with an Im. Diamond, for selling only 20 packages of beautiful high grade art post cards at 10c a package. Order 20 packages, and when sold, send us $2, and we will positively send you the Watch, Ring & Chain.

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ALDEN & CO., Sta. A, Indianapolis, Ind.

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10 Beautiful 6 Xtra Quality **EASTER** Post Cards 10 cents Post Cards 10 cents

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MADISON ART CO., Madison, Conn.

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I will send you my 84-page book "Advice to Stammerers" Free. It explains how I quickly and permanently cured myself. Profit by my experience and write for free book and advice.



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WANTED—MEN TO LEARN BARBER TRADE. Few weeks required. Splendid trade for poor man. Be your own boss. Can start shop with small capital or work $12 to $20 weekly. Good demand for barbers. Further Information free. Moler Barber College, 349 E. Washington Str., Indianapolis, Ind.



25 LOVERS' POST CARDS and NAME CARDS The finest line ever sent out. (No two alike). Floral Mottoes, Friendship, Birthdays, Pretty Girls, Love Letters, Love Scenes, Escort, Acquaintance, Hidden Name and other new cards; also our Big Illustrated Catalogue and Premium List, all for **10 Cents.**

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CARDS Send 2c Stamp for large Sample Album of Hidden Name, Silk Fringe, Envelope, Friendship, Joker's, Lover's and all other Kinds of Cards, Post Cards and Premiums. Star Beau Catcher and list of 2000 Songs given Free. **OHIO CARD CO., B 20 Cadiz, Ohio.**



Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.

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200 Per Cent Profit.

Best Seller. Finest Medicine. Complies with pure drug law. Everyone buys. Write **now** for terms.

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"Get the Pleasure Without the Poison" The Pipe They Let You Smoke At Home Looks and colors like meerschaum. Absorbs the nicotine and keeps on tasting sweet. You never had such an enjoyable smoke. Order 3 or More Today.

Trade Mark Reg.



40c Three For **$1.00** Sent Prepaid Anywhere Money Back If Not Satisfactory

H. MENGES The Smokers' Friend 134 Menges Building, St. Louis, Mo.

life in the country very dull, but in time I think I shall change my view of it. I hope to, at least. I close hoping to be called a Cadet of Equity in future, and with best wishes for UP-TO-DATE.—Winifred Walton, Dewitt, Mich.

A Southern Illinois boy knocks for admission:

Dear Cadets:

I am a subscriber for UP-TO-DATE, and would like to be a Cadet. I live in Southern Illinois, where our chief product is corn. We also raise wheat and oats, many apples and peaches, and some pears, quinces, cherries, plums and grapes, and all kinds of vegetables. I take much delight in skating. I believe that beats skeeing; but you are most apt to go backward than forward, and your head will not find any soft place. I am 17 years old, have a good pony and riding outfit for racing. I often go riding and driving, and sleighing when we have snow. We have had two big snows this winter. I would like to hear from some of the Cadets personally. I read every number of UP-TO-DATE, and I think it the best paper that has ever entered our home. My father owns 141 acres of land, 70 acres of the best land of Johnson county. We live a little below the glaciated land.—Nathan Powell, Buncombe, Ill.

I am quite well acquainted with your section of country, Nathan. It is a good place to live. Read another Michigan letter:

Dear Cadets:

I am a little girl 9 years old. My papa is a farmer, and I have one sister. We go a mile and a half to school. I have had whooping cough, and can't go this winter. For pets I have a nice dog, a lot of rabbits, and two nice cats. I am a real farmer girl. I can make garden and I love to see it grow. I love to read the letters and UP-TO-DATE. —Adelma Fisk, Chelsea, Mich.

Another Michigan letter follows:

Dear Cadets:

I would like to become a Cadet of Equity. I have been reading the letters for some time, and I like them very much. I am 14 years old, and I live in Kalkaska county. I live away in the country, the nearest town being 8 miles away, but there is a grocery store and postoffice one mile from my home. We live on an 80 acre farm, and we raise potatoes, corn, oats, wheat and other grains, and lots of vegetables. There are also lots of apples, plums, pears, and cherries raised here. In the winter it is very cold, with lots of snow, but we have lovely summers. I go to a district school a mile from here, and am in the seventh grade. I like to go to school.

I received a beautiful set of post cards, the trip around the world, for getting subscribers for UP-TO-DATE. We like UP-TO-DATE very much.—Verda Dean, Darragh, Mich.

And you can get more cards, Verda, so can all the Cadets, for getting more subscribers for UP-TO-DATE. The next two letters are also from Ohio:

Dear Cadets:

I have been a silent reader of UP-TO-DATE, and I think it is a fine paper. I am 14 years old, and weigh 135 pounds. I live on a farm of 100 acres. The school house is on our place, so I do not have far to go. I like to ride horseback, and ride a jet black Morgan mare. I also like to hunt. There has been ice over our whole farm this winter, and it made it hard to do any work, but it was fine skating. I own one calf and three sheep, and have sold six lambs.—Clifford Summersett, Delphos, O.

Dear Cadets:

I live in the northern part of Ohio, near Bucyrus, about 40 miles south from Lake Erie. Winter commences here about the first of December, and lasts to about the middle of March. The coldest weather we had this winter was 14 degrees below zero, and at present (Feb. 21) there is 12 inches of snow on the ground. Our total snow fall this winter is 55 inches, but of course most of it is melted. I am 16 years old and go to school 'most every day. We take UP-TO-DATE FARMING. the Farm Journal and Successful Farming, but I think UP-TO-DATE is the best. Last fall I got some beautiful post cards as a premium for subscription, and I must thank Mr. Everitt for them.—Elmer W. Lutz, Bucyrus, O.

What a magnificent array of letters, and what bright Cadets write them. We have another excellent letter from Michigan, but it is only signed Brown Eyes, and we don't know who that is. A Cadet of Equity without a name is like a frying pan without a handle. We also have a letter from J. D. Fish, Monroeville, Huron County, O., who would like to hear from Josephine Fish or her father, J. D. Fish, of Chassell, Mich.

The Cadets may at any time get beautiful post cards for getting subscribers for UP-TO-DATE.

MAKES ITS OWN CLOTHES

"Ain't I as good as a tree, dear?"

"Yes, darling, and a great deal better."

"Well, you know a tree gets a new suit every spring—hat, sunshade, everything."

"Yes, sweetheart, but it makes them itself!"

THE JUDGE WAS IN DANGER

"Prisoner at the bar," said the portly, pompous and florid magistrate, "you are charged with stealing a pig, a very serious offense in this district. There has been a great deal of pig stealing, and I shall make an example of you, or none of us will be safe."—*London Daily News.*



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Write your name and address plainly in the coupon below and as soon as we receive it we will send you by return mail our free Roofing Catalog and our complete line of roofing samples.



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Pull Your Stumps With This All-Steel Triple-Power **Hercules Stump Puller**

30 Days' FREE TRIAL



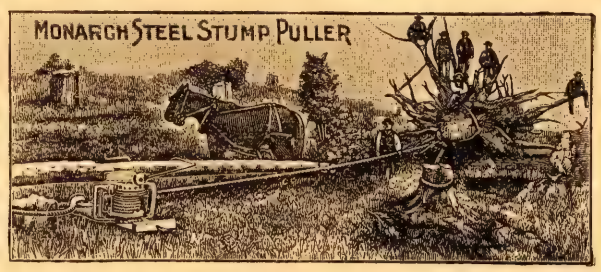
No excuse for stumpy fields. This Hercules is now sold on 30 days' Free Trial. Test it on your place at our risk. Pulls stumps out, roots and all. 400% stronger than any other puller made. Triple power attachment means one-third greater pull. The **only** stump puller guaranteed for 3 years. **Only** one with Double Safety Ratchets, **Only** one with all bearings and working parts turned, finished and machined, reducing friction, increasing power, making it extremely light-running. Hitch on to any stump and the

STUMP IS BOUND TO COME

Also pulls largest-sized green trees, hedgerows, etc. Don't risk dangerous and costly dynamite. It only splatters stump and leaves roots in ground. Save big money; get our offer. Also special proposition to **FREE BOOKS** and free trial where we have no agents. Write us a postal card today. Address first buyers

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genuine Steel Pump Pullers, 500 per cent. stronger and lighter than any other. The only genuine Steel Pump Puller made in the state of Iowa except the cable. Pulls stumps 7 feet in diameter in 3 minutes and guaranteed 700 horse power. Special low price for first machine in new territory. Large catalog and discounts, address

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14 in. Double Shin S. B. PLOW with Extra Share all Soft Center, and 13-in. Rolling Coulter, $11.00



Plows Only
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Best Sewing Machine Guaranteed equal to any $50 machine, $17.50
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"feel the pressure of the organized interests that sell to them and buy from them," and they will continue to "complain of business understandings and agreements between dealers" although they have no right to complain.

—o—

There is a great satisfaction in a man having everything to say about the price his goods shall sell for. This has always been contended for and practically every class of people has solved the problem, but farmers. They can solve it through the Farmers Society of Equity plan and there is no other way under the sun. We want each reader to understand that when he joins the Society and agrees to cooperate with his brother farmers all over the country he does not relinquish any right or independence, but he really puts himself in a position to enforce his demands and then he becomes truly independent.

—o—

So, if you dear reader, want to become free from exploiters of your crops, and independent of Boards of Trade in pricing your crops and get everything that you and your family are entitled to, take the initiative in starting the F. S. E. at your place. See to it that a local union is organized at your shipping town this spring and we will see that the county is organized before fall or in time to apply the Equity System to marketing the 1910 crops. Anybody can organize a local union with our help. Our help will be gladly given and it is FREE. Just clip out this coupon and fill in and mail it if you have not done this before.

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the Farmers Society of Equity, at .....

..... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course. Also send a free copy of *Farmers Industrial Freedom which contains a fuller account of the report of President Roosevelt's commission.*

NAME .....

ADDRESS .....

—o—

As an example of the need of local organization we quote from an editorial that recently appeared in a daily paper of one of our large cities and which was called forth by the fact that middlemen had succeeded in crowding the gardeners and farmers off of the market and produced conditions that compelled the latter to sell only to the former, who, in turn, sold to the consumers, in the market.

Conditions discovered in our own city market have further emphasized the need of eliminating, or at least restraining, the middleman. In practically all the investigations that have been made so far it has been shown that he is the one who is "getting the money," or the most of it. That any group of men should arrogate to themselves the privilege of deciding who shall sell to whom, and who shall buy from whom, is preposterous, no matter how high may be the dividends that such arrogance may pay. We are not living in this life for the primary purpose of paying big dividends on the investments of certain shrewd managers, although present conditions may make it seem so.

To bring about a return to normal conditions we have got to shorten and straighten the long and tortuous route that now exists between producer and consumer. As a result of this the producer will get more for his product and the consumer will pay less. Likewise will the profits of those who are now blocking the way be less—as they should be.

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 55, Sta. F, Toledo, Ohio.

Organized farmers can tear down the unnecessary toll gates or close them forever. The smoke of the guerilla warfare that has been waged for generations is lifting enough for them to see through and they recognize their brothers battling against the same bad conditions. They now realize that their cause is the same and that their interests are mutual therefore they are getting together and hereafter they will fight as one grand army under one leadership. Some day, and in the near future too farmers will present a solid front against those who have exploited them and their best friends, the consumers of their products.

PASS THEM AROUND

Some subscribers have their names on our subscription list more than once. We want all such to make missionaries of the extra copies and send them out in the community to convert the dumpers. Readers of UP-TO-DATE are not dumpers. Conclusion—all farmers should be readers.

Our old time friends, Kitselman Bros., are with us this issue with a full page ad— the largest copy any fence company have run with us this season. While we are not thoroughly posted on the present prices of fencing, yet it does seem to us the prices they name in their ad are very low and we think it would be well for anyone who needs fencing or gates to write them for the catalogue and learn full particulars. If they can save you money on fence and gates, they are the people you want to do business with. Read carefully their guarantee. They have been advertising with us since we commenced publishing Up-to-Date Farming and we have never had a complaint from any of our subscribers about them. We have no hesitancy whatever in recommending them to our people. We have their 1910 catalog on our desk and it is one of the most complete fence catalogs we have seen. Write them a postal card at once for their free catalog. Please mention Up-to-Date Farming when writing them.

7 FINE TREES AND SHRUBS FREE

Here's an offer you will want to snap up quick. Entire collection listed below, carefully bundled, absolutely FREE, prepaid if you send $1 for a year's subscription to The Fruit-Grower, the world's greatest farm and fruit magazine.

1 Winter Banana Apple Tree
1 Lutie Grape Vine.
1 Tulip Tree.
1 Spirea Van Houttei.
1 Lievland Raspberry Apple Tree.
1 Hydrangea Arborescens.
1 General Jacqueminot Rose Bush.



Sent free, to encourage horticulture, to all who send $1 for a year's subscription and names of 5 friends who grow fruit. Send money today or write for sample and beautiful illustrated circular showing above trees and flowers in natural colors. February, Annual Gardening Number, 80 pages and cover, handsomely illustrated, full of gardening and other interesting matter. Read how subscribers raised Giant Japan Radish weighing 23 lbs.—has been grown as large as 42 lbs.

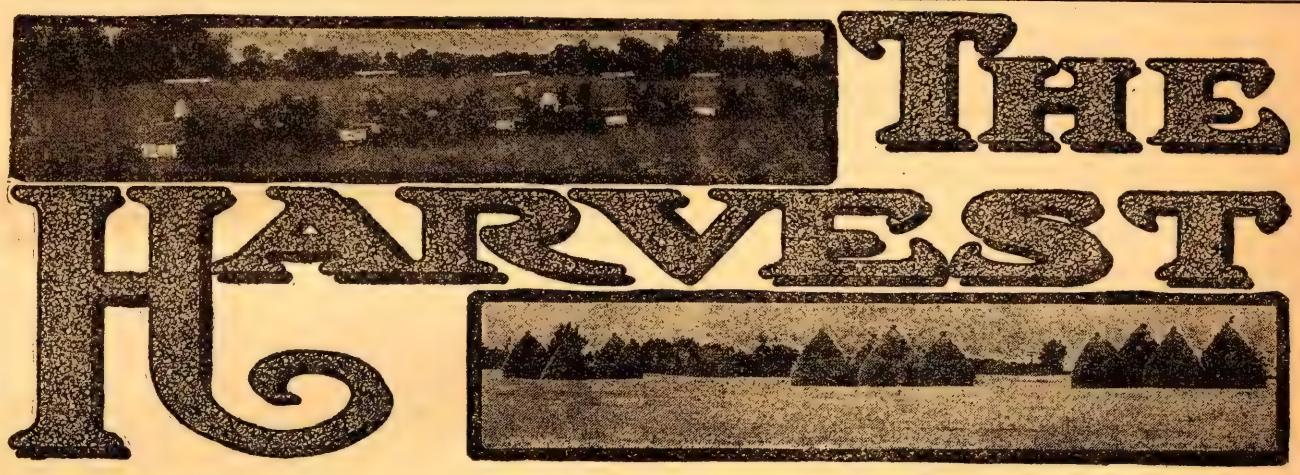
THE FRUIT-GROWER, St. Joseph, Mo.

THE FRUIT-GROWER, Box 419, St. Joseph, Mo.
Enclosed find $1.00 for a year's subscription and FREE collection of Trees and Shrubs as per offer.

Name .....

Town ..... State.....

DON'T FAIL TO MENTION UP-TO-DATE FARMING when writing our advertisers



How the Farmer Controls the Cost of Living

THE cost of living depends on the volume and cost of production. The farmer can determine only partially the amount nature will permit her soil to produce, but he can regulate the cost of his crop by the machines he uses in tilling and harvesting.

The markets of the world are now watching for the results of the grain harvest of the farmers of America. Prepare properly against delays and waste and you will reap rich reward.

The responsibility for wasted grain and profits rests with you.

Choose your harvesting equipment—make your selection before the rush comes—take no chances—avoid experiments either in machines or binder twine.

From experience hundreds of thousands of farmers endorse the adaptability of the I H C line of harvesting machines.

Champion McCormick Osborne
Deering Milwaukee Plano

Hundreds of thousands of farmers, hard-headed business men, with the same problems that confront you, have had their problems solved by some one of these machines. They didn't buy because they were prejudiced in their favor - they bought because they were convinced that these machines represented the highest standard of excellence in harvesting-machine construction, because these machines met their requirements, because they thought they were getting the greatest return on their investment.

The experimental period has passed, and efficiency, durability, simplicity, dependability and absolutely interchangeable parts are now at your order. Improvements in time and labor-saving features, finer materials, more skilled and painstaking workmanship are now strictly carried out in the manufacture of these six lines of machines, so that all element of risk on your part is eliminated.

With any machine in the I H C line you are safe—for smooth, rapid, uninterrupted, perfect work at harvest time.

Materials, workmanship and quickly available interchangeable I H C parts are backed by the most responsible and trustworthy guarantee in the farm-machine world today. Such perfection would not be possible if the manufacturer did not have available ore mines, steel mills, timber lands and saw mills so as to make sure of the raw materials, and if the buying power and large output did not insure the first choice of raw materials from all other sources—and the ability to employ the right men to work up these materials, and to furnish these men with the most perfect facilities in the world—all this is of equal importance to you. It is these resources, insuring the highest degree of efficiency in every machine turned out, that means the lessening of your responsibility at harvest time, the elimination of most all the risk, the freedom from anxiety and worry and discouragement. Profit by the experience of hundreds of thousands of others who reap all their harvests and all the profit with one of the six leading machines. See the International dealer at once. Take your choice. The quality is the same in all—the best possible. The lines include grain and corn harvesting machines, haying machines and tools.

From the I H C dealer you can get repairs that fit when repairs are needed. Repairs having the I H C standard of excellence can be secured at almost every cross roads or village. This availability is not only a great convenience, but also saves valuable time, which means money to the busy farmer in case of accident in the harvest field.

Don't experiment with binder twine, either. Get one of the seven perfectly dependable brands of twine and be sure. Choose Champion, McCormick, Osborne, Deering, Milwaukee, Plano or International in Sisal, Standard, Manila and Pure Manila brands.

If it is not convenient to see an International dealer, write for full information and the catalogue you want.

INTERNATIONAL HARVESTER COMPANY OF AMERICA CHICAGO U S A
(Incorporated)



$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K1867 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

PILES CURE—ETTO guaranteed SURE Cure. Quick relief. We mean a cure and furnish proof and best references. Our cure mailed sufferers FREE on trial. If benefitted pay $1.00; otherwise pay nothing.
Home Treatment Association, Dept. A, Indianapolis, Ind

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

BED WETting cured. Send for trial treatment. Guaranteed. Banner Remedy Co. Dept. 12, Kansas City, Mo.



SUPERFLUOUS HAIR PERFECTLY REMOVED. I have a GUARANTEED safe and positively SURE way to take hairs off face, arms, etc., like Magic. I HAVE THE TRUE SECRET. Write for information. I send it sealed FREE. Address HELEN DOUGLAS, 20 E. 22 St., New York

MEMBERS AT LARGE

Every day, in our correspondence this statement is made: There is no local union of the Farmers Society of Equity here for me to join, how can I connect with the movement?

The answer is: become a member at large. Any person can become a member and realize benefits, no matter where located, if he can be reached by the U. S. mails. The charge is $1.00 to be sent to headquarters. Immediately, when we enroll a member at large we begin to work with him to organize a local union at his place.

We want a great many members at large.

WANTED—MEN AND WOMEN OF BIG CALIBRE

The Farmers Society of Equity wants men and women—leaders of men and women—to represent it in important producing sections. Their work will be to start the fires of organization in logical centres and find organizers who will complete the work. Satisfactory terms as regards compensation, can be made. Broad gauge men and women of executive ability and tact can do well working for us, besides delivering to the people the most welcome messages, the grandest doctrine and the soundest business system, that was ever presented to a deserving, but long neglected class of our people.

Write to the Farmers Society of Equity, Indianapolis, Ind.

PAY YOUR DUES

The annual dues of members of the Farmers Society of Equity become payable Jan. 1st., Apr. 1st., July 1st., or Oct., 1st., the charter of each local union will show the date for that union.

This does not mean that the dues are divided in four payments as the entire amount, $1.50, for each member is payable at one time, but it is arranged this way to conform to the time the union was chartered also to provide income over the whole year. The dues of all the members of a local union are payable on the same date.

The dues of locals that fell due the first of the year have cleaned up very well, but there are a few delinquent yet. These are urged to pay and report at once. Those locals whose dues are payable April 1st. are requested to prepare for payment and report promptly.

Every dollar paid by farmers in dues to the F. S. E. is used to extend the organization and will return dividends to the payers a thousand fold. No farmer can possibly invest money better. With the membership fees and dues the organization is extended in old territory and carried to new, the people out through the country do not understand all that is being done, but we tell them that progress is made every day.

Keep the dues paying date in mind and do not falter in your support of the only movement ever before farmers through which they can positively accomplish their industrial freedom.

MICHIGAN STATE MEETING

According to announcement the Michigan State Union of the Farmers Society of Equity met at Traverse City, March 3d with about one hundred in attendance. Considerable more than a year had elapsed since the next former meeting was held and one of the purposes of calling this meeting was to get an expression from the people as to what they desired the society to do in Michigan in the future. After a general discussion and the adoption of a resolution that disposed of the opponents of the society, as we regret to say a few were present, enthusiasm began to run high and a fine spirit prevailed all through the session. As this meeting was called hurriedly and there was no opportunity to advertise it over the state it was unanimously voted to call another meeting to meet in 30 days and advertise it thoroughly all over the state.

I will stay in Michigan and help them until the next meeting.

H. B. SHERMAN,
National Organizer.

HELP WANTED TO ORGANIZE THE GROWERS OF BROOMCORN

Perhaps no farm crop has been the subject of manipulation more than broomcorn and, perhaps no class of producers has been oftener and more completely victimized by shrewd manipulators than the producers of this crop.

In recent years the buyers have had a strong organization. Thus it was an easy matter for them to watch the few producing sections and know exactly the condition of the crop at any time and the final yield. With this knowledge, and knowing that the producers had no way to get information among themselves, the policy has been to play one producing section against another while they were buying. For instance the producers in the Oklahoma and Kansas districts were told that the crop in Illinois was enormous and if they wanted to sell at all they better hurry before the other district supplied all the demand. And the same game was played on the Illinois growers. Then the financial condition of many growers and the fact that they had no warehouses to store the brush in, always resulted in heavy dumping at the beginning of the season, which fact was sure to be published in papers circulating in the growing sections.

To make a long story a short one we will say that there is a great gulf between the producers of the raw material and the consumers, or even the manufacturers of brooms, and in that gulf the manipulators operate. If the producers were organized the gulf could be bridged and the broom corn trust ignored, by selling direct to the manufacturers. It will be perfectly easy to do this if growers in all the districts are organized on the Equity plan so they may co-operate to know the crop conditions, yields and demand.

This paper circulates in all important broomcorn producing sections and we want every person who will help to organize this industry to fill out the below coupon and send it in at once.

To Organize Broom Corn Growers

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

I will help in the campaign to organize the broom corn growers, this year, 1910, to secure profitable prices for the crop, cut out the manipulators and sell direct to the manufacturers. Please send me free, full particulars and terms of compensation.

NAME .....

ADDRESS .....

Below is the name of a town that receives much broom corn and where it will be convenient for me to begin my work.

TOWN .....

The counties in the United States that produced 1,000 acres or more of broom corn in 1900, according to the census are as follows:

Illinois—Coles, Douglas, Moultrie, Cumberland and Edgar, Shelby, Clark Henry, Jasper and Piatt.
Kansas—McPherson, Reno, Rice, Allen, Stafford, Sheridan, Cheyenne and Stevens.
Nebraska—Cass and Polk.
Missouri—Henry.
Oklahoma—Woods.

The territory has expanded some since that time, particularly in Oklahoma. We hope to get one or more coupons returned from each county that produces a considerable quantity.

Make $3,000

in 3 months, raising vegetables in Florida. Don't put a dollar of your money into ANYTHING until you write for our book of FACTS. We don't ask you to invest; merely read the FACTS—that's all.
Florida Land Co., Box 575 Chipley, Fla.

THE FIELD

WANTS SECRET MEETINGS

Dear Editor:

I have just read in "The Field" the letter signed by L. G. Button of East Jordan, Mich. He strikes the nail square on the head when he favors meetings of local unions to be conducted as secretly as the Odd Fellows or Masons; also to admit women to membership the same as the men. Our local voted to recommend that our by-laws be changed to so admit women and charge them 50 cents per year, dues. The women are the life of our local. God bless them! One other change we want in the constitution; it is covering eligibility to membership. Instead of this part reading "farmers and friends of farmers," let membership be confined to farmers alone. If the farmers can't run a society they might as well quit right now. —Mike Minnauge, Empire, Mich.

GIVES ADVICE TO SECRETARY WILSON

Editor Up-to-Date Farming.

Dear Sir:—I read in my UP-TO-DATE that the orchards in Pennsylvania have been quietly inspected by agents of the State division of Zoology and the owners of those found infected with scale will be notified to clean up or it will be done for them and charged to them. I believe I am safe in saying that nearly all Pennsylvania farmers would spray their trees if they knew where the money is to come from, and if they have not the money to do this themselves, where is it to come from if the expense is forced on them?

Apples are cheap here and don't pay and some farmers say they will cut the trees down if the expense of spraying is forced on them.

Secretary Wilson said: "There are not enough farmers in Pennsylvania that know how to farm for profit." That may be true. But we farmers can justly retort: there are not enough teachers and professors in your department, Mr. Secretary, to teach us how to farm for profit. If the secretary and his army of assistants would take the lessons from UP-TO-DATE FARMING and then teach them to all our farmers our business would soon pay us as it should. This paper and the F. S. E. teach the only correct plan and any man who does not agree is either a hypocrite or an ignoramus.—Mrs. John Ratcliff, Schwenksville, Pa.

APPROVES ARTICLE ON MEAT BOYCOTT

Dear Editor:

We value UP-TO-DATE FARMING very much. It is a paper we enjoy to read. My husband thinks the article on the meat boycott one of the best he ever read. The majority of our farmers here belong to the Farmers Union but the plan of the F. S. E. is dominant. We wish you much success.—Mrs. W. W. Rowles, Spring Mills, Va.

KEEP IT A BUSINESS ORGANIZATION

Dear Editor:

I want to reply to the letter of Mr. L. G. Button, in February 15 number.

My understanding of the F. S. E. is that it is strictly a business organization, and aside from religion or anything other than a straight farmers' business organization to secure equitable prices for farm crops, I believe I am right and if we do not stick strictly to this idea our society will become so mixed up with things foreign to our business that one could not know whether he was attending a farmers' business meeting, a sunday school or a revival meeting of shouting Methodists.

If Mr. Button, or any other members, want to sing, pray or dance a religious clog let them do it at home, before or after the meeting. By such a plan we will not be mixing business with religion, nor disgracing religion with business. I believe the surest way to kill our beloved society would be to run it into religion or politics. —Geo. T. Westig, Lewis, Kas.

WORTH $500 LAST WINTER

Dear Editor:

I have read your paper 12 years. It has helped me a great deal. For instance, only last year I took its advice and held my corn until August. My neighbors rushed their corn to market early and got 50 cents a bushel. I fixed my price at 75 cents and in August I got it, a gain of $500 on my crop. I had done the same several years and will do it in the future while your paper is published. I read no other farm paper because I don't think there is any other printed that equals it. Hurrah for UP-TO-DATE.—M. Miller, Plain City, O.

PROSPERITY AND SAFETY FOR FARMERS

(Prize Letter.)

Dear Editor:

I have read UP-TO-DATE FARMING ever since it proposed to organize farmers to secure equity in their business. I have canvassed this community and got about 150 subscribers. I have also organized local unions and I know that the road to success on the farm is the road of co-operation. I have also read two other farm papers, but fail to get anything out of either that I can turn to profit like the teachings of UP-TO-DATE. I have no use for teachers who do not recommend some plan for the safety and prosperity of the farmer.—Samuel Crull, Tippecanoe, Ind.

Easter Will Soon Be Here---March 27

This is the Time to Get Your Easter Post Cards and Below is a Wonderful Offer



Easter Greetings

Let me send you 6 Sets--48--Exquisite Easter Greetings Post Cards for a little favor.

THE demand for **Easter** Post Cards is several times as great as for any other holiday cards. Anticipating that every one of our subscribers who has secured some of our other beautiful cards, and many new people, will want some beautiful **EASTER POST CARDS** we have had our publishers to strive to even surpass all their other beautiful productions. Let it suffice to say: "They succeeded." I am proud to offer our subscribers **EASTER CARDS** that are unsurpassed, if indeed, can be equaled elsewhere.

I am not going to try to fully describe these new creations. It would be useless, because I cannot describe their beauty, fascination and appropriateness. Suffice it to say that each is produced by 12 printings, embossed and with gold or silver finish. They portray the **EASTER** symbols—rabbits, chicks, **Easter** eggs, beautiful flowers and pictures of children, even rivaling nature in beautiful colors and tints. Also on each is an appropriate Easter greeting. The combinations are so artistically happy that my **EASTER POST CARDS** surpass anything I ever offered to bring happiness and joy to the receivers.

Remember, there are **48 CARDS** and they are arranged in 6 **SETS**. In this way they meet the requirements of all members of the family. While the children are especially considered when arranging the subjects, the older and graver people were not forgotten.

I Guarantee My EASTER Cards Will Please or I Will Refund all Money Paid

My Wonderful Offer

To any person who will now subscribe or renew his subscription, and send a new subscriber (Both for only 50 cents) I will send the entire six sets of EASTER Post Cards—48—no two cards alike. Every present subscriber is invited to embrace this offer. If paid in advance your time will be extended.

If you cannot send a new subscriber then send your own for two years.

Fill out the coupon and send right away. Even if your subscription has not expired would you not better embrace this offer and have it extended a year? The subscription price will never be lower, but it will soon be higher.

All orders will be filled the day they are received.

—— —— —— COUPON CUT IT OUT —— —— ——

LIMITED OFFER **APRIL 1st**

UP-TO-DATE FARMING, Indianapolis, Ind.

I enclose **50 CENTS** for my subscription and a new subscriber, each for one year and the premium of **48 EASTER GREETINGS** post cards as offered in March 15th number. (If you cannot send a new subscriber then write your address only and you will get the paper two years.)

Are you a new or old subscriber?.....

My Name .....

My Address .....

My Friend's Name .....

His Address .....

This offer is not good after April 1, 1910

J. A. EVERITT, Editor Up-to-Date Farming, Indianapolis, Ind.

My Latest Thought

If you fail to embrace the above offer in time to use the **EASTER CARDS** I will send instead 50 of my **FLORAL FAVORS** Post Cards in **8 SETS.** These are the most exquisite floral cards and exactly fit the Spring sentiments and meet the requirements for all members of the family for Spring correspondence. I guarantee you will be surprised and delighted. J. A. E.

Fat is Dangerous

It is unsightly, uncomfortable, spoils the figure, causing wrinkles, flabbiness and loss of vigor.

Let me send you my Proof Treatment absolutely Free; you can safely reduce your fat a pound a day.



Note what my treatment has done for others:

Mrs. Eva M. Reynolds, Box 114, Lehigh, Webster Co., Iowa, writes: "When I commenced your treatment I weighed 285 pounds. I now weigh 165 pounds, and never felt better in my life."

Mrs. W. D. Smith, Box 34, Abbott, Mo., writes: "I have lost 51 POUNDS by your treatment. I used to have heart trouble and shortness of breath; now I am well and can walk and work with ease."

Miss Dicie Wilson, Box 78, Franklin, Tenn., writes: "I have lost 69 POUNDS by your treatment and I feel like a new person."

I could fill every page of this journal with testimonials from grateful patients.

It is dangerous, unsightly, uncomfortable and embarassing to be too fat. Excess fat weakens the heart. The liver, lungs, stomach and kidneys become diseased, the breathing becomes difficult and the end comes in **HEART FAILURE** and sudden death. You can save yourself from these **DANGERS.**

I want to prove to you that my treatment will positively reduce you to normal and no matter where the excess fat is located, stomach, bust, hips, cheeks, neck, it will quickly and safely be reduced without exercising or dieting. **Your figure will be beautified; flabbiness and wrinkles disappear.** Rheumatism, asthma, shortness of breath, kidney and heart troubles leave as the fat goes away. I will send you without a cent of expense on your part, my PROOF TREATMENT FREE. It reduces fat at the rate of a pound a day and does it safely and permanently.

FREE

Don't miss this offer. My PROOF TREATMENT is FREE. It will make you feel better at once. I will also send you **Free** my **new book of advice,** together with testimonials from many well known people. **Write to-day.**

H. C. BRADFORD, M. D., 20 E. 22d St., 6 A, NewYork

(Licensed physician by the State of New York.)

Stomach Troubles Vanish Like Magic

FREE to Every Man or Woman



Dr. Young's **PEPTOPADS cure** where medicines alone **fail.** They regulate the bowels, relieve soreness, and strengthen the nerves and muscles of the stomach in either sex. You can eat what you want and all you want without fear of distress. The cures effected are marvelous. If you have **Dyspepsia, Indigestion, Sour Stomach, Distress after Eating, Nervousness, Dizziness, Heart Fluttering, Sick Headache,** etc., send **10c** to cover cost of mailing, and I will send you a **$1.00** treatment absolutely **free.** It will relieve you immediately. Address **DR. G. C. YOUNG, 35 National Bank Building, Jackson, Michigan.**

BUY FROM ADVERTISERS IN UP-TO-DATE FARMING

You will save money. The advertiser will do more business and increase his advertisement. This gives us more money to make a larger, better paper—to carry more advertisements—to save you more money—to increase the business of advertisers and enable them to enlarge their advertisements. Again we will increase number of pages, etc.

Your purchases will help—no matter how small. Send for catalogs; ask for particulars

BED WETTING

Inability to hold urine during the night or day, in old or young, is not a habit but a dangerous disease. Our HARMLESS Pastilles are guaranteed to cure it.

O. H. ROWAN DRUG CO., Dept 10 London, Ont., Canada. **A 25c. Pkge. FREE.**

ORGANIZE AT SHIPPING TOWNS

The Farmers Society of Equity is primarily, a business society. **Its chief aim is to equip American agriculture with a system of marketing crops** that will be as certain in all results as the systems of distribution employed by great manufacturing corporations; the systems employed by great railroads in handling freight and passengers or the systems of the great insurance companies that reach every insurable man in the country.

To understand the Society better we will say that the secretary of each local union will be the person the members will look to for information about markets and marketing and we expect he will become the agent of all the members to receive and ship their surplus crops. In this way the individual responsibilities of marketing covering a whole community, will be shifted on one man with definite results instead of the uncertainties and losses often sustained when each farmer marketed independently.

The local union secretary gets his advice and information from the county union secretary and all the L. U. secretaries in the county get the same. You can now see how co-operation will be brought about among all the farmers in a county and how useless it will be for buyers to go through a county organized in the Farmers Society of Equity and seek to secure any farmer's crops at unfair prices. And it will be the same way in every county as the society developes and by and by districts, producing certain crops, then sections, states and the nation will be organized. The condition that was produced in one county will then prevail all over the country with the advantage that as the Society spreads through county after county, and state after state its power to get equity for its members and guarantee equity to those who buy farm produce will multiply.

So organize your local union at your shipping town and all the farmers who ship at that town should constitute the membership. As soon as organized begin to do something. It will be evident that there must be a large number of counties organized before we can compel **steady and always profitable** prices on **all** crops. But each local union can ship its members crops as directly as possible to the ultimate market. In that way some of the toll gates will be cut out, more money will go to the producers and we trust, consumers will buy cheaper. Also each local union should take up the matter of buying supplies co-operatively and we recommend always giving the local merchants an opportunity to bid on the requirements. There are also many other activities a local union can engage in. It should be the aim to make it of the very greatest benefit to the members. To this end no legitimate activity should be overlooked.

If you belong to a local union, begin to prepare your season's program to make your Society of the maximum benefit this year and don't forget to help to organize the county if it is not done already. That means a local union at each important shipping station and a county union at the county seat, or a central point. If you have no local union now send to us for plain instructions how to organize one. It matters not what crops are produced in your county, the F. S. E. plan is for all of them. If yours is a grain section let your chief object be to get the right price for the first bushel marketed and all of it; if a fruit section, you need to organize to get reports of demand, so your fruit may be forwarded to prevent gluts; if in a dairy section your aim should be to bring all the milk producers supplying your city into the F. S. E. when you can dictate the price of your milk to the buyer; if potatoes are your chief crop organize to ship them direct to honest handlers which your society will connect you with and as soon as enough organization you can make the price and get it; if you grow cotton or any other crop, organization is the first step to independence in pricing and marketing.

Every station from which surplus crops are shipped to market needs a local union of the farmers Society of Equity more than it needs anything else. That local union, conducted as a business organization according to the F. S. E. plan, will benefit the town and community more than any thing else. Each reader of this paper is interested in this matter, he cannot help but be. So clip the coupon elsewhere in this paper and mail it at once.

This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

QUESTION. *I am thinking of building a cement granary. Please advise me whether wheat will keep in such a granary?—Rev. R. L. Robinsin, Montpelier, Idaho.*

ANSWER.—I cannot give you a positive answer. Cement buildings are inclined to be damp and that would be fatal to grain stored in them. Mr. C. W. Peckham, of Haven, Kan., a member of our Society, is interested in a cement plant and has invented a ventilated wall of cement construction that he claims overcomes dampness. He is also a large grain grower. Ask him.

SECRETARY—Very soon we will print in this paper plans for local union halls and estimates of cost. We have an architect preparing plans and figures on cost now.

PECUNIARY PROFIT.—(1) No, the local union should not receive and ship non members crops. Your argument that a profit could be made on them, and shared by the members, is not sufficient excuse for injecting this feature which would be sure to lead to serious complications. The safe way is to market only members crops and confine the benefits to them alone and let those benefits be profitable prices. This plan will bring all the farmers into the Society, if anything will. (2) The buyers must pay all the expense of marketing. The price will be the cost of production, plus the cost of handling and marketing, plus a fair profit.

DOUBTER.—The Farmers Society of Equity pays 25 cents out of each members fees and dues to the publisher of the official paper for the members subscription for a year, not 50 cents as you thought.

INCORPORATOR.—(1) It is not obligatory on a local union to incorporate but it is recommended. When the local gets to the point that it must have storehouses, etc., to control members crops it will become necessary unless a corporation is organized on the side, which will not be as desirable. Keep in mind that a local union of the F. S. E. is a business organization in carrying out its part of the great movement it must buy and sell and do many other things. It must have a credit. It should be legally qualified to do all these things and in no way can this be brought about so well as to incorporate under the laws of its own State. (2) The incorporation papers, blanks, etc., can be obtained from the F. S. E. headquarters for a nominal charge.

POTATOES.—I have expressed my opinion of the potato market in recent issues of this paper on the "Telescope" page. Do you read all of the paper? The supply of potatoes in the hands of growers is unusually large for this season of the year and I do not believe that prices will be better, later. My advice has been to market gradually. Potatoes have sold low in the country, but, relatively, high in the cities. If the growers would have been organized they could have forced lower prices to consumers, thus increased the consumption and, I believe, a good price could have been secured for the whole crop. It's up to the growers to organize this year and not get caught again.



Q. *Can you send me addresses of a grain sack factory and binding twine manufacturer where we can get prices on these articles. We have decided to buy these things where we can get them cheapest and best. —Secretary, Montana.*

For twine write to the following:
August Post, Moulton, Iowa; Deering Harvester Co., 16 Fullerton Ave., Chicago, Ill.; Galveston Rope Co., Galveston, Tex.; Milwaukee Harvester Co., Milwaukee, Wis.; D. S. Morgan & Co., Brockport, N. Y.; Plymouth Cordage Co., N. Plymouth, Mass.; Warder, Bushnell & Glessner Co., Springfield, Ohio.

For bags write to the following:
Bemis Bros., Bag Co., St. Louis; H. & L. Chase Bag Co., St. Louis; Columbia Cotton Mill Co., Columbia, Tenn.; Hardwood Mfg. Co., Minneapolis, Minn.; Milwaukee Bag Co., 51 Erie St., Milwaukee, Wis.; W. J. Neahr & Co., 89 S. Clinton St., Chicago, Ill.; Neville & Co., Inc., San Francisco, Cal.; Washington State Penitentiary, Walla Walla, Wash.

LADIES SOCIETY OF EQUITY

Tune—John Brown's Body

Our eyes have seen the coming
Of a grand Society,
That will help farm wives and daughters
In more ways than we can see;
So we'll let the light of truth blaze out
Wherever women be,
While our Cause is marching on.

Chorus—
Glory! Glory! Have you heard it?
Glory! Glory! Do you believe it?
Glory! Glory! Then receive it.
Our Cause is marching on.

We have also seen the glory
Of the lovely golden rod;
The forget-me-not and daisy,
And the rose of brilliant red,
As the seeds of truth are springing
In Equity's fertile bed,
While our Cause is marching on.

Chorus—

We have sounded forth the trumpet,
That will never call retreat;
We are bringing up the wrongs of men
Before the Judge's seat;
Oh, be quick, then, friends, to join us,
Making victory complete,
For we sure are marching on.

Chorus—

—Mrs. James Howey, East Jordan, Mich.

SPECIALISTS

IN

Bright's Disease and all Kidney Troubles, Diabetes, Bladder Troubles, and Uremic Poisoning.

Our Book, Analysis of Urine, and Diagnosis for the asking, without cost or obligation.

Our Remedies are Herbal, non-poisonous, non-sedative, non-alcoholic and absolutely harmless, but are not PATENT Medicines.

Patients have secured Life Insurance after previous rejection.

Investigate our record for twenty years.

We guarantee no misrepresentation.

FRANK T. BROUGH, PH. G., M. D., Medical Director.

THE TOMPKINS-CORBIN CO.,
39 West 25th St., New York City

(From the Chicago Inter Ocean.)

All readers of Up-to-Date Farming who have sick friends, suffering from rheumatism or kidney trouble, will be interested:

FINDS NEW KIDNEY CURE

Dr. T. Frank Lynott, New York Specialist, Discovers Remarkable Remedy

At last a perfectly harmless and positive cure appears to have been found. Dr. T. Frank Lynott, formerly of the New York University, New York, later of the famous Bellevue hospital, and now a celebrated specialist in Chicago, has a very quick acting formula which has been approved by the best doctors.

The editor of Up-to-Date Farming saw the above clipping from the Inter Ocean and wanted to know of this new formula for curing kidney trouble.

Arrangements were then made by which Dr. Lynott offers Up-to-Date Farming readers a free treatment. D. Lynott, however, says that he proposes to give the free treatment only for a limited time to convince the public in every part of the United States of the positive wonderful efficacy of his treatment.

Furthermore, Dr. Lynott wants to make it clear that he has no "cure-all." He is a specialist in kidney and bladder diseases and rheumatism, so please do not write to him unless you have one of these diseases. If you write at once, both the medical advice and the medicine are entirely free.

The editor of this paper, Up-to-Date Farming, feels that with such a free offer, anybody who stays sick with kidney trouble or rheumatism deserves to be sick.

I know that a good many free offers have been advertised where the public had to send money, but this free offer really IS A FREE OFFER. And remember that instead of getting an ordinary physician, you get the medical advice free direct from America's greatest of all specialists on these diseases. See Free treatment certificate at bottom of this page and get relief right now.

STOP!



Stop that back breaking, twisting, terrible, terrible, unbearable agony! Oh, that awful, awful digging soreness—the back all bent, the joints stiff, the heart-wringing pain—**stop that pain—RIGHT NOW!**

Yes, Write For the Free Treatment---

a **REAL Free Trial Treatment** that will give you relief—relief at once—not next week, not tomorrow, but relief AT ONCE—immediately after starting the treatment. It is so simple, so mild, yet so scientific and so sure—this treatment for rheumatism, kidney and bladder trouble. Write now, today.

See the Free Certificate Below—sign it and send it today. No money—no obligation. At last you can get relief and, if you write at once, you get the treatment absolutely free. Just think—a genuine free treatment by America's and Europe's leading specialist—absolutely free—really and genuinely free to convince the public.

If you have Kidney or Bladder Trouble or Rheumatism (the cause of those pains), then it's your loss if you suffer any longer. When Dr. Lynott says free, he means free—not one cent to pay; and it is "up to you" whether you want the best medical advice and medicine all without a cent of cost. Don't miss this wonderfully liberal offer. See the Free Trial Certificate at the bottom of this page.

LOOK at these poor sufferers all bent with nerve-racking pain—they are victims of kidney trouble; they think it is a rheumatic twitch. Friends say they grumble, but considering their awful pain, they bear up most bravely.

Oh, it is terrible that there should be such suffering, when you can be relieved so quickly, so surely, so simply, and **right now, free of charge.**



Writing to Dr. T. Frank Lynott, who gives the medical advice free, a brother specialist writes as follows:

"I have for years been considered an authority on urinary diseases; but I must confess my respect, my profound sense of esteem, for Dr. Lynott, whose wonderful success in treating urinary diseases has surprised us all. Dr. Lynott, by the way, is making a most remarkable free offer—the most genuine and generous offer ever made by a high grade physician. It seems to me the medical world ought not to be jealous of his success, but should praise him for what he has done and is doing for humanity."

Dr. T. Frank Lynott

whose photo is printed here, is, as you perhaps know, a great authority on kidney and bladder trouble and rheumatism. Rarely before has a physician of such high standing offered to treat patients by mail. But Dr. Lynott wants the people to get the benefit of this free treatment.

His cures have extended over America and Europe. In fact, Dr. Lynott received a special diploma on urinary diseases from the great New York University—of which the famous Bellevue Hospital, New York, is now an honored part.

WATCH These Symptoms!

Trouble in the kidneys begins slowly, slowly. It creeps upon the unsuspecting patient like a thief in the night. Slowly, slowly, those stinging, racking pains foist themselves upon the sufferer; gradually, gradually the pains increase into a daily, nightly, constant, endless torture. Watch the symptoms, and and cure yourself. Here are the principal symptoms of uric acid diseases:

1—Pain in the back.
2—Too frequent desire to urinate.
3—Burning or obstruction of urine.
4—Pain or soreness in the bladder.
5—Prostatic Trouble.
6—Gas or pain in the stomach.
7—General debility, weakness, dizziness.
8—Constipation or liver trouble.
9—Pain or soreness under right ribs
10—Swelling in any part of the body.
11—Palpitation or pain around the heart.
12—Pain in the hip joint.
13—Pain in the neck or head.
14—Pain or soreness in the kidneys.
15—Pain or swelling of the joints.
16—Pain and swelling of the muscles.
17—Pain and soreness in nerves.
18—Acute or chronic rheumatism.

NOW THEN, This Certificate is FREE

You get the treatment, the medicine and Dr. Lynott's personal attention absolutely free, if you write at once. **Instant Relief** for those terrorizing pains!



Send no money—read the certificate, note that it puts you under no obligation. Dr. Lynott is glad to see a sufferer cured—write at once and get the free treatment.

JUST Your Name and Address and the Symptoms



of your disease given by number. That is all Dr. Lynott wants. Read the free treatment certificate; read how it puts you under no obligations whatever, how it says specially and distinctly that you are not under any obligations whatever.

SEND NO NONEY----just write for the free treatment

REMEMBER:—This free treatment offer is limited. Only a certain number can be taken under Dr. Lynott's personal care. If you answer this offer the first time you see it you are **guaranteed** the **free** treatment. So better send the free treatment certificate today, at once, and remember, you need **instant, immediate** relief from those awful pains.

DR. FRANK T. LYNOTT, 3629 Occidental Bldg. CHICAGO

If you have a friend suffering with kidney or bladder trouble or other uric acid disease, such as rheumatism, don't you feel that you owe it to your friend to tell him or her of this free offer?

Free Certificate

What is Your Name? .....
State plainly, Mr., Mrs. or Miss.

Your Address .....

What Symptoms Have You? .....
Give numbers from table above—that is all

What is Your Age? ..... Married? .....

Just fill out the above—nothing to sign, you see. Just answer the questions and be sure to give your name and address. You are under no obligations whatever. The **FREE** proof treatment will then be sent **at once, postpaid.** Cut out this certificate (or write a letter describing your symptoms) and get **INSTANT relief from those racking, rocking pains.** Address personally.

Dr. T. FRANK LYNOTT
3629 Occidental Bldg. CHICAGO, ILL.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

Agents Wanted

AGENTS: 100 per cent. profit. Monkey-wrench, plumbers plyers, with 13 other tools combined. Most wonderful combination of tools ever made. Lightning seller. Sample free for examination. Forshee Co., B, 1365 Dayton, Ohio.

AGENTS—Handy Hame Fastener. 200 per cent. profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

Correspondence Schools

DON'T PAY $20 to $30 for Real Estate, Insurance and Brokerage Course. I sell one for $2.50, same as sold by certain company at $20 or money back. D. W. Edmonds, Youngstown, Ohio.

Farm Lands For Sale

ALABAMA—Eighty acres Baldwin county, land, three miles from county seat and railroad station—$7.50 per acre to quick buyer. D. R. Peteet, Bay Minette, Ala.

"BACK TO THE FARM" and buy Clark Co., S. Dakota land $20 to $40 per acre. Where the Chinook winds blow and winters are mild, productive soil. Near railroad. Coal at your door. Oran Perry, 825 Law Bldg., Indianapolis.

FOR SALE—553 1-2 acres of fine level black sediment soil with water right in Big Irrigating Ditch, also two good artesian wells on the place, 400 acres in Alfalfa, nine room house, 5 room house, Bunk house, Barn, Dairy house and other buildings. Has been used for a dairy Ranch for the past 20 years and is one of the best in the county. Located 15 miles southwest from Bakersfield the County seat of Kern County, near R. R. and school. This is one of the best Bargains in California. Price $85.00 per acre, $15,000.00 cash, balance 1, 2, 3, 4 years. For this and further information about Kern county write R. A. Moore & Son, Real Estate and Insurance Agts., Room 11 Hopkins Bldg., Bakersfield, California.

FOR SALE—Marinette County, Wisconsin, improved dairy farms at great bargains, ready for immediate possession.

120 ACRES 2 miles from Court House of Marinette, Wis., fine buildings; price $10,000.

131 ACRES adjoining Porterfield, Wis., 60 acres cleared; good buildings; price $6,500.

160 ACRES 1-2 mile from Porterfield, Wis., 90 acres under cultivation; splendid land; fair buildings; price $6,500.

300 ACRES good land adjoining town of Ellis Junction, Wis., 120 acres cleared, in high state of cultivation, balance fine woods pasture; woven wire fence; fine buildings; price $15,000.

WE ALSO OWN 100,000 ACRES of choice hardwood lands which we will sell in tracts to suit, prices ranging from $7.50 to $20 per acre. Write for descriptive booklet and map. We want a few good, live agents—good proposition for the right men. Write for particulars.—Skidmore Land Company, "Good Farm Lands," Box 56-A, Marinette, Wis.

FRUIT, GRAIN AND STOCK FARMS for sale in Oceano Co. Write C. W. Morgan, Shelby, Mich., for lists.

"LAND OF HEART'S DELIGHT"—Copita Prairie, Falfurrias, Tex. Ten acre tracts, $10.00 a month. Two and three crops a year. Climate perfect. Good schools. Home market, no taxes, no interest, immediate possession. Make up a club. Oran Perry, 825 Law Bldg., Indianapolis.

MICHIGAN FARMS—Any size, $10.00 per acre and up. Catalog free. Isaac Kouw & Co., Holland, Mich.

MICHIGAN FRUIT AND FARM LANDS—We sell improved and unimproved farm lands right in the celebrated fruit belt of Mich. Lands very productive for farming and fruit growing. Write us for information. James Greacen, Kalkaska, Mich.

MILLION ACRES Texas School Land for sale by the State; $1.50 to $5.00 per acre; only one-fortieth cash, 40 years on balance; three per cent. interest; good agricultural land; some don't require residence; send 50 cents for 1910 Book of Instructions, New State Law and description of lands. J. J. Snyder, School Land Locator, 536 Congress Ave., Austin, Tex. Reference, Austin Nat. Bank.

120 ACRES clay loam with large buildings in central Michigan, 35 dollars per acre. Address owner, J. H. Vanarsdale, Marion, Mich.

"VIRGINIA FARMS for sale at eight to fifteen dollars per acre. Write for descriptive booklet. Jeffreys, Hester & Co., Chase City, Virginia."

Farms Wanted

WANTED—Farms and businesses. Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, Minneapolis, Minn.

WANTED—TO RENT a farm of 100 to 200 acres in Indiana, or central states. What have you to offer? Address Alden, Sta. A., R. R. 36, Indianapolis.

We can sell your property. Send description. Northwestern Business Agency, Minneapolis.

Ferrets

5,000 FERRETS for sale. Write for price list. It's free. Safe arrival guaranteed. De Kleine Bros., Jamestown, Mich., Box 80.

For Sale—Tobacco

30,000 POUNDS leaf tobacco for sale. Send stamps for sample to Anton Wavrin, R. R. 5, Box 34, Franklin, Ky.

For the Home

FOUNTAIN PENS, Typewriters. Jephtha Smucker, Smithville, Ohio.

LIVE BETTER for less money. We tell you how. Practical recipes and valuable information for only 4c stamps. Write today. Purnell Co., 1445 Grattan St., San Francisco, Cal.

RICE—100 pounds, beautiful, clean white table rice, delivered in double sacks, freight prepaid, to your railroad station, $4.60. J. Ed. Cabaniss, Rice Farmer, Katy, Texas.

SICKNESS prevented. Most diseases have one common cause, namely, improper combinations of foods, producing fermentation in the stomach and food poisoning, resulting in Catarrh, Rheumatism, Tonsilitis, Appendicitis, etc., and can be cured by properly combining the Brain Building or Life Giving foods in ordinary use. Foods causing expectoration, catarrh, coughing, nightsweats, constipation, tumors, etc., specified in Free Booklet, "Interesting Tests of Brainy Foods" Free. G. H. Brinkler, Food Specialist, Dep't., F., Washington, D. C.

Ginseng

GINSENG—Thousands of one and two year old roots for sale, one year roots, $2.50 per 100; two year roots $4.00 per 100. "Ginseng Culture" free with orders. W. N. Long, Florence, Ky.

Male Help Wanted

BOY WANTED—Age about eighteen, to work on farm. W. Bass, Waukee, Iowa.

FARMERS' SONS WANTED for Railway Mail Clerks, Carriers and Post Office clerks; salary $800 to $1600, common education sufficient. Write for information. American Institute, Dept. 75, Dayton, O.

MEN WANTED—To prepare for next Railway Mail, Internal Revenue, Customs and Postoffice Examinations. $50.00 to $125.00 monthly. Annual vacations. Short hours. Rapid advancement. Steady work. Common education sufficient. Country and City residents stand equal chances. Political influence unnecessary. Over 15,5000 appointments to be made this year. Write immediately for schedule showing Spring Examination places and dates. To advertise, we are preparing candidates free. Franklin Institute, Dep't. R., 29, Rochester, N. Y.

SALESMAN WANTED—To sell trees and plants. Highest commissions payable weekly. Write for free outfit. Perry Nurseries, Rochester, N. Y.

SALESMEN wishing to earn three to five dollars per day, write for terms immediately. First National Nurseries, Rochester, N. Y.

WANTED—A man on farm, B. S. Hollopeter, Bigtimber, Mont.

Patent Attorneys

ADVICE and books relative to patents sent on request. Beeler & Robb, Patent Lawyers, 60-62 McGill Blg., Washington, D. C.

PATENTS: All about them and their cost. Send for Free Books. Shepherd & Campbell, 214 G. McGill Bldg., Washington, D. C.

"PATENTS THAT PAY"—Protect your idea! 2 books free: "Fortunes in Patents—What and How to Invent," and 61-page Guide. Free report as to patentability. E. E. Vrooman, 838 F St., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

CHICKEN Gape Worm Extractors, unequalled. Three for 25c. Guaranteed. Dr. Wm. Hallowell, Johnsville, Pa.

52 LEADING VARIETIES poultry, pigeon, hares, stock and eggs, for sale. Catalog free. H. Musselman, Morwood, Pa.

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

30 VARIETIES: Geese, Ducks, Chickens. Catalogue free. Minkel & Co., Mapleton, Minn.

UTILITY FARM ROCKS Barred and White, 15 yr's line, bred for winter eggs, meat, health and vigor. March 1 page 13 large ad. Fertility guaranteed. Address Utility Farm, Watsontown, Pa.

Michigan State Meeting April 7th.

We open our forms to announce that the date for the Michigan State meeting of the F. S. E. has been set for Thursday, April 7th., and the place Traverse City.

The specific work for the meeting will be to receive reports of the officers, audit the accounts of the State union, elect officers for the next year and inaugurate a campaign to complete the organization in Michigan.

The importance of the business to come before the meeting suggests that people from all parts of the State should be in attendance and take part in the proceedings. National organizer H. B. Sherman expects to work in the State up to the time of the meeting. He can be communicated with, care of Hotel Columbia, Traverse City, Mich.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to M. George & Co., 95 S. Water St., Chicago. Established 1866. Member the American League of Commission Merchants of the U. S. This house has special terms to quote to members of the F. S. of E.

TAKE NOTICE, poultry, eggs, potatoes sold highest prices. T. J. Hoover, 344 Water St., Phila, Pa.

Seeds and Nursery Stock

COW PEAS, SOY BEANS. They are in first place for soiling, hay and fertilizing purposes, and are successful wherever corn is grown. Cane seed, millet seed, sweet potatoes. Free catalog. Hickory Seed Co., 38 Trade St., Hickory, N. C.

GERANIUMS AND BOSTON FERNS—$1.00 will buy one Boston Fern, fine big plant, and twelve new winter flowering Geraniums. ostage or expressage paid. B. E. Wadsworth, Box 224, Danville, Ill.

OHIO YELLOW GLOBE DANVERS onion seed, 90 cents per pound. Charles P. Parker, Mentor, O., Route 1.

SEED POTATOES—Early and late varieties. Write for prices. John Lindelof, Sibley, Ill.

STRAWBERRY Plants. Best Varieties. Catalogue Free. Basil Perry, Cool Springs, Delaware.

Thoroughbred Stock

IMPORTED BELGIAN STALLION, weight 2,000 lbs. Will sell for cash, or trade for cattle, sheep or horses. B. S. Hollopeter, Big Timber, Mont.

"WONDERFUL"—Monarch of the Dickinson fold. He that was of great individuality. Decendants of said ram whose greatness still holds good. The long ancestral line insures uniform type. No guess work. Good business sense asks: "Why waste your high priced feed, precious time and energy upon anything but the very cream of breeding?" Choice stock now booked for future delivery. H. M. Culbertson, Zanesville, Ohio.

REGISTERED POLAND China hogs, male and female. B. S. Hollopeter, Bigtimber, Mont.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Greatest discovery of century. Send your name at once. KING NI-KO U, Wichita, Kansas.

MEETINGS

Meetings to organize local unions of the Farmers Society of Equity will be held at the following places within the next two weeks. All farmers who ship their produce from the various towns should be sure to attend the meetings and they should assist the person in charge to make the meetings successful.

Colo.—Hayden, Pratt Co.
Kan.—Valeda, Labette Co.
Mich.—Belding, Iona Co. The following meetings in Michigan will be addressed by National Organizer H. B. Sherman:
Schomberg, Leelanau Co., Mch 15.
Leland, Leelanau Co., Mch. 16.
Maple City, Leelanau Co., Mch. 17.
Empire, Leelanau Co., Mch. 18.
Williamsburg Grand Traverse Co., Mch. 18.
Minn.—Imogen, Martin Co.
Mo.—Brays, Miller Co.
King City, Gentry Co.
New York—Amsterdam, Montgomery Co.
Ohio—Hoytsville, Wood Co.
Oregon—Eugene, Lane Co.
S. Dak.—Viborg, Turner Co.
Texas—Palestine, Anderson Co.
Utah—Farmington, Davis Co.
Vir.—Harrisburg, Rockingham Co.
Wash.—Huntley, Okanogau Co.
Palouse Falls, Adams Co.

OLD TIME ENTHUSIASM IN KENTUCKY

Mr. N. M. Ashby, sending the following resolutions adopted Feb. 28, 1910, by Watson local 643, Farmers Society of Equity, Sebree, Ky., says: "The local showed much of the old time Equity religion. I feel assured that in the near future the Farmers' Society will be a complete success, and give the necessary and much needed relief."

RESOLUTIONS

At a regular meeting of Watson Local Union 643, F. S. E., the following resolutions were unanimously adopted: Believing that the only hope of the farming community to obtain an equal and fair chance or orportunity of obtaining a just reward for their labor, with the balance of the world, and to bring about a more equitable distribution of the proceeds of labor, and to obtain a fair and equitable price for farm products, and to infuse into the transactions of men the principles of equity and justice; we make the following resolutions:

1. We endorse Mr. J. A. Everitt, president of the Farmers' Society of Equity, as one of the best friends of the entire farming community, in that he has taught them the true plan for the distribution of farm products to the end that they may realize a fair and just price therefor.

2. We endorse the Farmers' Society of Equity, believing that it teaches the only true plan and principles of Equity.

3. We urge all farmers to join the Farmers' Society of Equity that we may the sooner accomplish the ends and purposes taught by it, for in organization and co-operation alone can these benefits come to farmers.

4. We endorse the Stemming District Tobacco Association and its officers, and hereby declare our loyalty to the same; and we urge every farmer to pool his tobacco with the association for the protection of his own interests and the interests of his family; believing as we do that all farmers know or should know that the present good prices obtained for tobacco were caused by pooling with the association.

5. That a copy of these resolutions be furnished the Green River News, Henderson Gleaner, and Up-to-Date Farming for publication.

J. W. McMULLIN,
J. E. THORNBERG,
J. B. GRAYSON,
N. M. ASHBY,
Committee.

FOR SALE AND WANTED

Troutville local union No. 4898 has several car loads of potatoes and wants to buy first class medium and mammoth clover and timothy seed free from weed seeds. Correspondence solicited.—C. D. Gous, Sec., Troutville, Pa.

FARM WANTED

Hundreds of readers of Up-to-Date Farming want to buy a farm. Have you one for sale? Advertise it in the Business Exchange for quick purchaser. Rate 6c a word.

Personal to Farmers

Who Want to Become Rich Growing Alfalfa

It is a well known fact that land that will produce Alfalfa abundantly will grow big crops of everything else. It is also a fact that Alfalfa growing makes the ground richer. We are offering at a fair price and on reasonable terms, land that cannot be excelled for Alfalfa growing. And this means that it will grow anything else in the way of wheat, oats, corn, vegetables, fruit and produce hogs at 1 1-2c a pound.

Alfalfa produces four crops a year on our lands and averages a ton each cutting. It sells in our market averaging a mile from our lands at $18 to $20 per ton. Is there money in it at this rate? It will pay for the farm in two years and you will have better land at the end and land worth $150 per acre.

We have for sale improved farms, churches, schools, stores, banks, markets, two railroads, neighbors and all conveniences. No pioneer work. Everything ready to plow and plant. Prices very low; part payment down; balance arranged so the crops will pay it out in two years or less.

This is a high class proposition. Nothing else will equal it. You are not offered cheap land dear at any price but land that will double in value in a very short time.

Send for booklet and full particulars.

Mississippi Black Prairie Land Co., Indianapolis, Ind.

GREAT SIXTY-DAY OFFER

Everybody wants a telescope. Who has not wanted to study the stars at night? Who has not needed to see things at a distance?

But a good telescope has heretofore been out of reach of the masses because of the price. A small, inferior glass would cost a good many dollars. We want to introduce the Excelsior Telescope into thousands of new homes so make this most liberal and astonishing 60 day offer. Tell your friends—advertise it—that is the object of this offer. Only $1.00 for a telescope three and one-half feet long when extended. Measure of the distance—42 inches. The like was never known before. Order today before our supply is exhausted. Remember we guarantee satisfaction or money back. No risk when you order an Excelsior Telescope. And we will include a Solar Eye Piece that has never been supplied before on telescopes selling for less than many times the price of this. Study the sun—look at him face to face by using the Solar Eye Piece.



Telescopes heretofore provided with a Solar Eye Piece or dark lens for sun observation have cost from $8.00 up. We have reproduced a Large Solar Telescope, which for $1.00 will enable people to correctly see the sun for the first time. Previously you have only seen the rays of light, or sunbeams.

STUDY THE SUN

The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light, which is larger by 900 times than all the planets combined, and which supplies all the planets with energy by its radiance. Our $1.00 Excelsior Telescope will help you in this study, notwithstanding the fact that the Sun is 93,000,000 miles away. Through the Solar Eye Piece you can see the sun as you never saw it before. Not only is the sun magnified thro this Telescope, but the Dark Lens and the Solar Eye Piece robs it of its dazzling effect on you, and you can see the sun properly.

This is a long, powerful Telescope, for terrestrial and celestial use. This Telescope is provided with an adjustable Solar Eye Piece for sun observations. Every student, male or female, needs this Telescope to study the sun in *eclipses*, also the mysterious recurrent sun spots.

Never before was a Telescope with Eolar Eye Piece sold for less than $8.00 or $10.00. This Eye Piece alone is worth more than we charge for the entire Telescope to all who wish to behold the sun in its tranquil beauty. Remove the Solar Eye Piece Lens and you have a good, practical Telescope for land observation, etc.

POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3 1-2 feet, in 5 sections. They are brass-bound, brass safety cap on each end to exclude dust, etc. with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1. Postage 10 cents extra. If insurance is desired, 10cts. more. This is a grand offer, and you should not miss it. We *warrant* each Telescope to give satisfaction or money refunded.



Superior to a $15 Glass

Fred Walsh, of Howe Island, Ont., Canada, says: Gentlemen—I have just received your telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are more than double what it cost me.



Brandy, Va.

Gentlemen:—Please send me another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money.—R. C. Allen.

An old hunter tells us that he never goes into the woods without a strong lense to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines.

Microscope and Telescope

I have fairly tested the Excelsior Solar Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.—F. S. Taylor, Box 376, Davenport, Iowa.



Using the Eye Piece of an Excelsior Telescope as a Microscope.

BUY THE BOY A TELESCOPE

Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy,* if he is given a few ideas now to think about.

There are always many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*

HISTORY OF THE TELESCOPE

The telescope seems to have originated in Holland early in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own Excelsior Telescope was first brought out in 1886, but the Excelsior Telescope of today, with its Solar Eye Piece, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.

COUNT CATTLE 20 MILES AWAY

A Kansas Farmer Counting Stock Twenty Miles Away

I wish all to know how satisfactory the Excelsior Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, Yours truly, F. G. Patton, Arkansas City, Kans.

Mr. C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes, says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.

Could Discern Boats from Five to Ten Miles Away

GOOD THINGS OTHERS SAY

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.

Very satisfactory.—Eugene J. Halle, Booneville, Mo.

Wonderful at the price.—Alfred L. Edwards, Athol, N. Y.

Satisfactory in every way—H. J. O'Sullivan, Schnectady, N. Y.

Much better than expected.—O. R. Oakley, Bridgeport, Conn.

Just as you represented.—T. W. Wakeman, Waterlick, Va.

Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.

Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.

Would not take $5 for it.—Thomas L. King, Luffman, S. D.

If I could not get another, would not sell it for $10.—J. T. Huntre, Falls, N. C.

Could read signs on Oakland Pier, three miles away.—E. Salanave, San Francisco, Cal.

Send two more; well pleased with first one.—J. W. Seifert, Prattville, Ala.

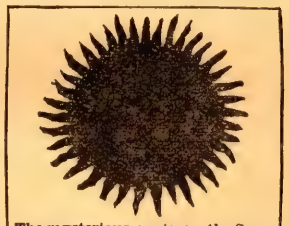
WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room to print.

You need not take our word for it, but write ony one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITY,* and send us the money, *and we will guarantee you perfect satisfaction or money refunded.*



Using an Excelsior Telescope Lens to Light Cigar

SUN SPOTS



The mysterious spots on the Sun. Get our Solar Telescope and see them.

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the general level. Their cause and the precise theory of their formation are still uncertain. At intervals they are very abundant; then there are periods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and the violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effects upon the weather!

Let the keynote of this advertisement be implicit confidence in us, and we will make good or money refunded.

A Telescope brings new brain cells into play; it opens new avenues of thought and broadens one's resources.

Interesting booklet entitled "**Telescope Talk**" **FREE** with each order. This booklet tells all about the care of telescopes, eclipses of sun and moon, etc.

THE GREAT $1.00 WONDER

The Pleasure and profit derived from this Telescope is like money invested at compound interest—the longer you have it the more you get out of it.

PRICE $1.00—By mail, prepaid, delivered in perfect condition, insured, $1.20. By mail, not insured, $1.10.

People's Wholesale Store, - - Indianapolis, Indiana

Wild-Fire

The Fame of Bodi-Tone

is spreading like "wild-fire," as we knew it would when we first offered it on trial. Thousands in all parts of the United States and Canada are testing it, knowing that they need not pay one penny unless it benefits, the liberal plan on which we ask YOU to test it. Thousands have already used it with success far beyond their greatest hopes, and it is their experience which is spreading the good news like "wild-fire," that health may be secured by the Bodi-Tone method. The Bodi-Tone Company wants YOU to try a full-sized dollar box of Bodi-Tone at its risk and expense, so that you will get acquainted with this new scientific medicinal combination, which is rapidly becoming the foremost medicine used by the American People. We want you to send us the Bodi-Tone Coupon printed in this announcement, giving us your full name and address, and the one dollar box of Bodi-Tone will be sent to you by next post, without a penny for you to pay unless it TONES ALL YOUR BODY.

Bodi-Tone

is just what its name means—A TONE FOR ALL THE BODY and we want you to try it and see what it will do for YOUR body. Bodi-Tone is a little round tablet that is taken three times every day, either before or after meals, whichever the user prefers. Each one dollar box contains seventy-five Bodi-Tones, enough for twenty-five days continuous use, and we send you the full box without a penny in advance, so that you can try it and learn what it is, so you can learn how easy and simple it is to take, so you can learn how it works in the body, how it helps nature to tone every organ in the body. Bodi-Tone is a new remedy, but the ingredients which compose it are as old as the science of medicine itself. Its composition is not secret. Every one of the twelve valuable ingredients which go to make up Bodi-Tone are well known to all doctors of all schools; each has a well defined, well known and thoroughly established place in the realm of medicine, each has its own well known work to do in the body and each is prescribed by physicians every day in the year. Among the ingredients which compose Bodi-Tone are Iron, for the Blood, Phosphate, to help tone the Nerves, Lithia for the Kidneys, Gentian for the Stomach, Asiatic Rhubarb for the Liver, Cascara, which restores tone to the Bowels and Intestines, and Peruvian Bark for the General System. We claim no credit for these ingredients, each of which has its own well deserved place in the Materia Medicas of all the civilized world and are recommended by all modern medical writers and teachers—we simply claim credit for the manner in which they are combined, for the proportions used, for the remedy—Bodi-Tone, which they make and which we want to send you immediately, so you can try it and learn how it acts.

Bodi-Tone

is no new-fangled, secret, mysterious, "discovered by accident," Egyptian, Indian, Chinese, Shaker or Quaker remedy. It depends upon no superstition or romantic story to make people believe in its efficacy. It is the scientific prescription of well known and competent doctors and chemists, and is compounded in one of the largest and best known pharmaceutical laboratories in the United States. It was conceived with the purpose, which we announce to all the world, to give the people a pure and safe household and home medicine, one that has medical authority behind it, one that doctors could sanction and approve, one whose composition could be boldly proclaimed and being all this, it is destined to become the foremost proprietary medicine of the century, a genuine pure food and drug medicine. Bodi-Tone, though a scientific medicinal combination, is prepared from such remedies which the common people as well as the doctors KNOW ARE GOOD, which they can place confidence in, which they know they can safely use, and most of all, is composed of things which make it A GOOD REMEDY. It is right all through, from the first to twelfth ingredient, a remedy that knows its work in the body and does it in a way that satisfies the body-owner. It is a pure remedy, that all the family, young and old, can use. It contains no poisonous drugs, it contains no harmful drugs, it contains nothing that we are ashamed to tell all the world, it contains no ingredient that your own family doctor will not endorse and say is a good thing. It does not depend on drugging the body. It does not kill pain with opium or morphine. It does not excite the body with alcohol, but it tones the body with the remedies which nature intended to tone the body, or that power would not have been given to them.

Bodi-Tone

offers its valuable services to you right now, right from this page, if you are sick, if you need medicinal help, if your body is not in right, natural and normal tone. That is what Bodi-Tone is for—TO HELP NATURE RESTORE TONE TO THE BODY, to help nature restore normal health, energy, vigor, strength and weight. If there is anything wrong with your Stomach, Bodi-Tone helps to tone the Stomach, helps to set the wrong right. If there is anything wrong with your Kidneys, Bodi-Tone helps to restore tone to the Kidneys, helps to set them right. If there is anything wrong with your Blood, your Liver, your Bowels or your General System, the ingredients in Bodi-Tone, which are endowed by nature with a special action in these parts, go right to work and keep on working day after day, exerting always a well understood, definite action that produces general results of the kind sufferers appreciate. If you have Rheumatism, Bodi-Tone, a splendid eliminant, helps to eliminate the Uric Acid from the system while it restores tone to the Kidneys, Stomach and Blood, thereby exerting a continual anti-rheumatic effect which makes it hard for rheumatism to obtain or retain a foothold in the system. Bodi-Tone should be used by all women suffering from any of the various Female Ailments, for its toning properties are especially valuable in such ailments.

Bodi-Tone

is especially urged for all chronic sufferers, who have tried honest, reputable physicians at home and elsewhere without getting the relief and permanent benefit desired. If your local doctor is doing you no real good, if you have given him a real and honest chance to do what he can and the medical combinations he has used have failed, then give THIS SCIENTIFIC, MODERN COMBINATION of old-time remedies a chance to show what it can do for you.

A Trial of Bodi-Tone

is yours for the asking. You need not send any money—do not send any stamps. The Bodi-Tone Company wants to spend every penny of the trial's cost, wants to send the medicine to you, wants you to give it a trial for a full period of twenty-five days before you pay a penny. Simply fill out the Bodi-Tone Coupon and let Bodi-Tone do its work for you. But do it immediately, as the quicker you begin, the quicker its good results should be evident in your body.

Bodi-Tone Coupon

Clipped from Up-to-Date Farming.

BODI-TONE COMPANY, CHICAGO, ILLS.

I have just read the Bodi-Tone Announcement offering a $1.00 box of Bodi-Tone on twenty-five days trial. Please send me a box by return mail, postage prepaid. I promise to give it a good trial and to pay $1.00 if I find I am benefited at the end of twenty-five days. If it does not help me I will not pay one penny and will owe you nothing. Send the box of bodi-Tone to the following address:

Name _____

Town _____

State _____ St. or R. F. D. _____

Bodi-Tone Company, - Chicago, Ills.

CIRCULATION OF THIS ISSUE IS 140,000 COPIES

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, APRIL 1, 1910 | Number 7

IS THERE REALLY A SHORTAGE?



Farmers are in the beginning the owners of all the stuff that enters into the composition of the world's food. That stuff can go from their hands into cold storage as well as from the hands of the profit grasping combines, and in that storage it will be just as safe an emergency supply, as in the houses where it is held for all that human greed may ask, or human necessity may compel people to pay. * * *

(See Editorial on Page 3.)

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD
It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.
400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

Florida Garden Farms

THE BEST TRUCKING AND FRUIT GROWING LANDS ON EARTH AT $5 TO $10 PER MONTH

Own a profitable fruit or truck farm in Florida's best farm district and pay for it with little monthly savings. By intensive farming, with no previous experience, you can make it yield as much as $5,000 a year. This prolific land will grow from three to four crops each year, with a profit of from $100 to $1,000 an acre. Land will raise sweet potatoes, Irish potatoes, Bermudas, celery, lettuce, cabbage, tomatoes, peanuts, pecans, strawberries, oranges, grape-fruit, figs, grapes, rice, oats, cotton, corn, sugar cane—besides being ideal for stock, dairying, bees and poultry.

A little money saved and invested now secures for you a home and fortune in the land of flowers and sunshine. No ice, sleet or snow. No coal bills to pay. 3 to 4 crops a year. $1,000 per acre has been cleared from a single crop.

If you are interested in bettering your condition. If you are interested in making certain the future. If you want to be independent. If you are in the least ambitious to obtain health, wealth and happiness for yourself and family, write at once for our book beautiful

"FLORIDA GARDEN LANDS"

It containes many pictures from actual photographs, letters from farmers and facts that are not only interesting, but of the GREATEST IMPORTANCE to those who want to become the masters of their own fortunes in a country and a climate that is as near like paradise as anything on this earth can be. Use the blank below.

FLORIDA GARDEN LANDS ASSOCIATION
233 South 5th St., Philadelphia, Pa.

Gentlemen:—Please send me your book, beautiful "Florida Garden Lands," as advertised in Up-to-Date Farming."

My age is .....

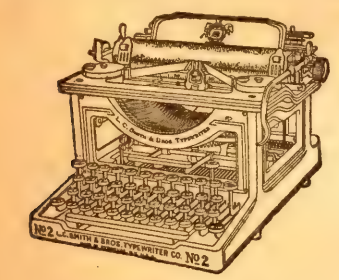
My occupation is .....

My name is .....

Post-Office .....

R. F. D. or Street ..... State .....

Made For Particular People



THE NEW MODEL

L. C. Smith & Bros. Typewriter

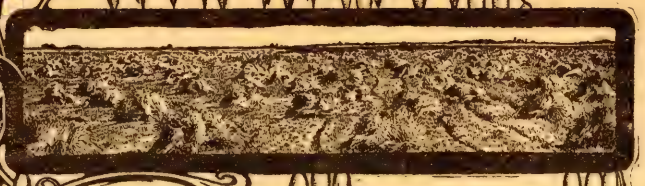
Ball Bearing throughout, at all vital frictional points. Instantly ready for all kinds of special work, billing, card writing—anything needed of a typewriter. No attachments required. No special adjustments necessary. Just insert the paper and go ahead.

New catalogue free

L. C. SMITH & BROS. TYPEWRITER CO.
Syracuse, N. Y., U. S. A.
INDIANAPOLIS BRANCH, No. 5 W. Market St.

PREPARE NOW





MAKE THE HARVEST CERTAIN

YOUR time and careful judgment cannot be used to better advantage than in preparing well in advance for the proper harvesting of your grain crops.

Take no chances of delays, with experimental harvesting machines. Don't risk the choice of one or two neighbors, because you must buy for many years' service as well as this year's harvesting.

It is necessary that you be prepared with efficient harvesting machines if you are to reap all the profit that your harvest should yield.

Right now is the time to ascertain whether or not you need a new harvesting machine—binder, mower, reaper, hay rake, tedder—it does not matter so much which machine you need, the principle is the same.

You should start today to look over your equipment—ascertain what you will need.

There are many points to be considered in selecting a harvesting machine. If it is a binder you need, you should have a machine that is efficient, dependable and durable, and then the machine should meet your particular requirements—and to do all this it is necessary that you take sufficient time to properly consider the selection of the new machines.

Buy wisely—safely—on the verdict of thousands of farmers of America and all over the world who have cut out the failures and choose from standard makes of the famous I H C Line of Machines.

Champion McCormick Osborne
Deering Milwaukee Plano

Why waste your valuable time—patience—labor, and sacrifice part of your crop this year and every year in experimenting with unsatisfactory machines? Others have taken all the experimental risk for you—if you act wisely now.

Don't wait until you must "buy in a hurry." That is not necessary, because an I H C Dealer is right near you and will, any day, show you just the I H C machine adapted to your particular needs.

He will also take your reservation order for reliable binder twine on which you should take no risk this year. The late market may be flooded with inferior grades of experimental twine. It's important that you investigate these facts and your I H C Dealer has the details to show you—and the proof of quality on all machines and I H C brands of binder twine.

Then, too, remember that with the strongest and most reliable guarantee given on any machines in the world, you also have the satisfaction of knowing that I H C interchangeable parts are quickly at hand—through your I H C Dealer. No waits. No delays. No annoyance. Perfect workmanship and materials of highest quality are guaranteed by the experience of over half a century in I H C machines. Make your harvest certain.

We urge upon you the importance of deciding this matter now; because, if you put it off until a more convenient time, the chances are that you will never give the subject proper attention. You, no doubt, think there is plenty of time—but the harvest season will be upon you the first thing you know. Therefore, consider this harvesting machine question, now, while you have the time to give it proper study. Write for any information you may need to help you make a wise decision.

Ask the I H C dealer for catalogue of the machine you want. If you do not know the dealer nearest you, ask us.

Take your choice of machines. The quality is the same in all—the best possible.

Don't experiment with binder twine, either. Get one of the seven perfectly dependable brands of twine and be sure. Choose Champion, McCormick, Osborne, Deering, Milwaukee, Plano or International—in Sisal, Standard, Manila and Pure Manila brands.

If it is not convenient to see an International dealer, write for full information and the catalogue you want.

INTERNATIONAL HARVESTER COMPANY OF AMERICA
(INCORPORATED)
CHICAGO U.S.A.



When writing to advertisers don't fail to mention Up-to-Date Farming.

When writing to advertisers don't fail to mention Up-to-Date Farming.

When writing to advertisers don't fail to mention Up-to-Date Farming.

WRITE ME NOW — Wm Galloway

THIS IS A BUSY TIME! FARMERS EVERYWHERE ARE GETTING READY FOR SPRING. ARE YOU READY?



LOWEST Prices ever offered. Try it 30 days on your own farm.

There is going to be the hottest rush for manure spreaders this spring that ever happened in Manure Spreader History, and I am prepared for it. I had the hunch 6 months ago. It's not too late now for you to write me and it isn't a moment too soon. Do it then while you have it in mind, today. Get my special prices and proposition NOW.

Never was so much manure piled around the barns and feed lots as there is this year. Never in 15 years has there been such a need for manure spreaders as there will be this spring? I say again, are you ready?

You've been seeing my ads this year, last year and the year before, Never wrote me yet, did you? Just because I advertise you have often wondered if Galloway was really giving the value--the quality.

Say! Do you know that that is the reason I sell so many, just because I tell the people about them. All there is to selling the Galloway is simply telling the people about them. That's how I have got the biggest spreader factory making wagon box and complete spreaders, 100 a day, more on mighty short notice. I'm ready. Are you ready?

Don't put off that manure spreader matter one more day. Don't let it lie over night.

Rouse out your pencil and drop me a card for my spreader catalog. Get it and investigate. Its full of live facts. You can't tell how good and valuable it is till you see it. Make yourself acquainted with the biggest thing in Manure Spreader History. That is the Matchless Galloway Wagon Box and Complete Spreaders. Made in enormous quantities in my own factories at Waterloo, Iowa. Priced right, guaranteed absolutely. What I say to you is in black and white. I write it in the contract. Whatever promises, claims or challenges I make, I write it in the contract. No verbal promises go with you. I put it up to you unreservedly. There are no strings to my promises to you.

Here's apart: "Try my Galloway Spreader 30, 60, 90 or 120 days. If you are not satisfied, I will pay the freight both ways and refund every cent of your money with 6 per cent interest."



FREE This book contains barrelsful of good information about Manure Spreaders and how to make money with them. Ask us for one—they are FREE!

NOW GET your letter, postal card, telephone or wire into my office. Ask me to send you my Book of Facts on the manure spreader. Today, right now, is the best time. Do it before some other thing comes up. Write me now for my Manure Spreader Catalog. Write me the kind of trial proposition you'd like to have.

WM. GALLOWAY, President, **THE WILLIAM GALLOWAY COMPANY,** 507 Galloway Sta. WATERLOO, IOWA.

UP-TO-DATE FARMING

Representing the Organized or Co-operating Farmers of America

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

Re-entered as a Semi-Monthly publication as second-class matter, January 20, 1908, at the Post-office at Indianapolis, Ind., under the act of Congress of March 3, 1879.

Volume XIII | INDIANAPOLIS, INDIANA, APRIL 1, 1910 | Number 7

Is There Really a Shortage?

(See Illustration on First Page)

DO the farmers produce enough? Do they produce all they can? Do they receive sufficient encouragement and reward to induce them to make increased efforts?

These questions naturally grow out of the present discussion of the high cost of living, and the conditions that discussion has uncovered. We answer that the farmers are producing enough, but not too much if there were good distribution. Last season, the season of 1909, there was, perhaps, an over-production of potatoes, and that product is ruling too low in price in the centers of production. In the centers of consumption, however, the price is high enough. Like so many other products, after leaving the hands of the farmers there is a rapid growth in price. But a better marketing system, a more complete and scientific distribution, would cut out much of the expensive machinery between the farmer and the eater, and equalize prices—give the farmer more and charge the eater less.

But the greatest shortage alleged is in meat stuffs. In these there is an evident deficiency on the market, and farmers may well increase the output in these lines without fear of over-supplying the demand for some years, at least. Provided, always, that artificial conditions do not intervene. For instance, were it not for the cold storage hoards, the shortage would not now be so pronounced. There is doubt if it would be felt at all—doubt if there would be any shortage.

We gave in last issue of Up-to-Date Farming, from what was said to be official figures, a statement of the meatstuffs held in cold storage but a short time ago. In round numbers those figures were as follows: Cattle, 14,000,000; calves, 6,000,000; sheep and lambs, 25,000,000; hogs, 50,000,000. There were also held at the same time in the same institutions, 1,800,000,000 eggs and 130,000,000 pounds of poultry.

How was that tremendous stock accumulated and what for? We do not know. But the natural inference is, and the operation of both buying and selling markets justifies the conclusion, that the packers bought everything in these lines that was offered for sale at packers' prices. They then set the prices at which they would sell the meats made from the animals, and whatever did not sell at those prices and was left on hand, was not thrown into a rummage or clearance sale, as merchants do their left over goods, but it was frozen down to be held as a reserve supply. The packers thus maintained their selling prices, and had this reserve as an ever ready club to compel the farmers, if necessary, to accept the packers' buying prices. "If you don't want to sell at our prices keep your stuff; we can get along without it." They could draw on their cold storage supply—dig up the meats that had been cached, as the Arctic travelers say of supplies hidden in the ice.

It is asserted by those who claim to know that meat and eggs and fish and poultry often go on the market after having been thus in storage from one to five years. And as we have already intimated, it is an effective means of maintaining their selling prices. The packers have no fear of anything left on their hands to spoil or go to waste. They can coerce their customers as they do the growers of live stock. "If you don't want to buy at my prices, you need not do it; I will keep the provisions in cold storage until you will be glad to buy at even higher prices." And the eaters are helpless.

Thus in cold storage in the hands of powerful combines, an entirely modern but most effective means for the control of both buying and selling price, and the creation of easy made millionaires between the producers and the consumers.

But we must not become prejudiced against cold storage. We agree with the Wall Street Journal that modern conditions make cold storage necessary, and like all other great discoveries, it came just in time to meet an exigency of the human race. It would be impossible to guarantee our great cities, with their teeming millions who eat but do not produce, against periods of hunger were there no stored supply to draw from. And if prices were made on an equitable basis, cold storage would serve as a safety valve for farmers in the sense that it can be made to relieve them of temporary market gluts by retiring surplus accumulations.

Cold storage, then, is an important factor in maintaining a just equilibrium between supply and demand—a means of saving producers from business stagnation in over fruitful years and consumers from hunger, or at least from short supplies, in seasons of dearth or crop failures, or even from interrupted transportations.

It is, therefore, only the **ABUSE** of cold storage that works harm. The best things may be monopolized by selfishness and greed, and blessings be thus turned into a curse. Such is the case with nearly everything that has been monopolized, and all that the world thinks of pleading for in such cases is legal control; and we stand ready to second that plea. But the history of regulating or restrictive legislation in such cases is not very encouraging. The lawmakers themselves seem to be monopolized, and the laws they enact, when tried out by those whose duty it is to execute them, seem to fall heavier on the masses than on the monopolistic classes. It is not talking politics to say that to see President Taft, Senator Aldrich and Speaker Cannon standing upon the three corners of the government triangle is not very reassuring.

Again are we inclined to rest our hope on the **GREAT THIRD POWER,** the conservative sons of agriculture, the farmers. If they would be induced to act as emphatically in public affairs as they do strenuously in their fields, neither hynotized politics nor combined greed could stand against them.

They are in the beginning the owners of all the stuff that enters into the composition of the world's food. That stuff can go from their hands into cold storage as well as from the hands of the profit grasping combines; and in that storage it would be just as safe an emergency supply, as in the houses where it is held for all that human necessity may compel people to pay. A strong ingredient in the remedial prescription would be such organization of the farmers as this paper is teaching which would enable them at many points and in principal cities to have their own cold storage that could be used to relieve the markets of depressing surplusses, and also to fill the gaps made by unfruitful years, or either natural or artificial shortages.

The Farmer Driven From His Own Market

THE farmer is praised and flattered in party campaigns, but in business he is discriminated against. He is not only forced to sell at prices made by the buyers, a thing nobody else on earth has to do, but he is not allowed to sell to his own natural customers. Concerning the market in this city, a strong editorial recently appeared in the Indianapolis News, of which the following is a part:

Our market house, it appears, has become a place in which retail dealers and commission men sell their wares at the same prices as in their regular shops. The market gardener has been excluded. He can not deal directly with the consumer. He can not get a stall in the market house, and he would not dare sell directly to the consumer, for in that case retailers and commission men would boycott him. As a natural development the present condition would not be surprising. But it has not been a natural development. Every influence has been exerted against the farmer. The law has been broken in order to keep him out of the market house. We know what the market was designed to be, what it once was—namely, a place to which the farmer, the gardener or other producer could take his produce and sell it directly to the consumer. In other words, it was a free market, a market in which prices were made. Now it is simply "an aggregation of groceries, meat markets, bakeries, vegetable and fruit stands controlled by commission houses, and butter stands controlled by creameries." The farmer has been shut out.

Instead of selling to the consumer he is forced to sell to the commission houses or to the market stand holders; these latter refuse to buy of him if he sells to the consumer. The gardeners have been crowded out of the market house by men who have no right to be in it, and many of these illegally occupy more space than stand holders are permitted by the law to occupy. Legally no man may have more than one space. The farmer was first driven to one section and then to another, and finally he was driven out of doors to make room for storekeepers. Then a $20,000 addition was built for his benefit, but he was banished from that, and this time he found himself in the streets. The plan now is to exclude him from these, thus getting rid of him altogether, and throwing the market into the hands of the commission men and the retail dealers. The idea is that the market house should make money for the city. It does this, but, of course, at the expense of th people who pay the exorbitant prices. We hear much about trusts, but here is a combination that absolutely forbids any dealings between the farmer and the consumer, that gets in between and holds up prices. The farmer has nothing to do with making prices.

In an issue a few days later the News contained the following:

Conditions discovered in our own city market have further emphasized the need or eliminating, or at least restraining, the middleman. In practically all the investigations that have been made so far it has been shown that he is the one who is "getting the money," or the most of it. That any group of men should arrogate to themselves the privilege of deciding who shall sell to whom, and who shall buy from whom, is preposterous, no matter how high may be the dividends that such arrogance may pay. We are not living this life for the primary purpose of paying big dividends on the investments of certain shrewd managers, although present conditions may make it seem so.

These are strong words most emphatically spoken, and no one denies that they correctly portray the situation in this city. And Indianapolis is far from being alone in this matter. Every city we know of has turned its market-house over to a class of dealers to whom the farmers are compelled to sell if they sell at all, and at the prices fixed by the dealers, and then the consumers are compelled to buy from the dealers and pay whatever price the dealers agree upon. Around and nearby every city there are market gardeners, poultry raisers and dairymen, who bring their commodities to market every day, and who would rather sell to the consumers than to the dealers, and would gladly sell for less money than the consumers pay the dealers. We have seen products, before they had left the baskets of the producers, sold to consumers at prices nearly twice what the producers were paid

And the cities are not by themselves in turning this business over, if not to a favored few, at least to a LICENSED few. Almost every town, village and hamlet, so far as its corporate powers permit, has adopted the same mischievous policy. The mania for money to spend, to get revenue without direct taxation, is the cause. People kick on high direct taxes; they do not take so much account of indirect taxes. Indirect taxes may empty their pocket books, but they get in return no special receipts to look at and growl over.

So the dealers in the market houses are licensed, and pay a fee. And if they pay a fee it is natural for them to demand the "right of way." Farmers must not be allowed to come to town and sell direct to the people. That would be competition with the licensed dealers, and reduce or destroy the value of the license. In reality, what are these dealers licensed to do? To compel the farmers to sell to them at the lowest possible prices, and to compel the people who must have the stuff for food to buy from them at the highest possible prices, so that the said dealers can afford to—pay the license fee! The News well says, "while the city market is making a profit of some $25,000 a year, the citizens who patronize the market are losing many times as much through the high prices which the violation of the laws permits to be charged." That loss, on account of high price, is what the people pay in order that the city may get the license fees!

"To bring about a return to normal conditions," says our contemporary, "we have got to shorten and straighten the long and tortuous route that now exists between producer and consumer; as a result of which the producer will get more for his product and the consumer will pay less." Municipalities must heal themselves of the mania for gathering indirect taxes, or the emphatic vote of the citizens must heal them, for in doing that they are simply "cutting off their noses to spite their faces." It permits a few to pay a little into the public pocket for authority to draw a great deal out of the private pocket. Every barrier between producer and consumer should be removed. Every unfair and unjust profit should be eliminated. Give the farmer a chance, and he'll feed the world abundantly, and at equitable prices.

To Encourage Increased Potato Production

MANY of the railroads and experiment stations and farm institute workers are manifesting commendable activity in taking to the farmers opportunities for agricultural education which country people cannot go to themselves. Special educational trains are becoming quite common, and these trains are equipped with almost all the facilities for instruction that are found in the best agricultural schools and colleges. Exhibits are there to contrast with the ordinary home grown products, and there are distinguished lecturers and professors to tell the farmers how to do it and how not to do it.

Taking the colleges to the people instead of requiring the people to go to the colleges, is a modern idea; and it cannot but result in an educational uplift and a wonderful increase of knowledge. In fact, it cannot but lead to better farming, and the railroads that generously aid in the work are entitled to the thanks of the people.

The Oregon Short Line steps well ahead in this matter. In addition to a special institute train run at its own expense the full length of its line, its General Passenger Agent, D. E. Burley, individually gives $500 in cash prizes for improved potato production. But we will let Mr. Burley tell it himself as he did in a telegram to the Superintendent of the Special Farmers' Institute Train:

> To further stimulate the cultivation of better potatoes I personally will pay a reward of $500, divided into four prizes,—one-quarter acre, one-half acre, one full acre, ten acres—for the greatest quantity, best marketable white or Irish potatoes produced by any one grower at any point on the Oregon Short Line railroad in Utah, Idaho, Oregon, Montana or Wyoming.

This manifests a public spirit seldom displayed in so signal a way, and it merits unusual consideration by the farmers not only on Mr. Burley's line, but throughout the entire country. And Mr. Burley's love of progress, backed as it is by his money, appeals to other broad minded men of wealth.

But there is one factor in the situation that these people fail to take into account. We take it that the honest purpose of these efforts is to benefit the producers, and through them the consumers rather than to pile up unnecessary loads of surplus commodities. The potato crop of the United States most generally overloads the market, and leaves a comparatively worthless surplus in the hands of the producers. That is particularly the case for 1909, the very time when these strenuous efforts for increased production are being made. If there were better distribution, so that the surplus potatoes could be placed in every neighborhood where the supply is short and other food extremely high, there might even now be no excess of production. But as present distribution is there is a surplus, and producers are suffering from low prices. The potato is one product that cannot for long be hoarded in cold storage.

Whenever enough of anything is produced production should halt. Each addition but reduces the value, and becomes a burden upon the producer, with very little relief to the consumer; for the processes through which products must pass between the producers and the consumers bring prices well up by the time the commodity reaches the latter no matter how low the price to the former may have been.

We have often shown by the official figures of the national department of agriculture that excessive crops are actually worth less to the country than smaller crops. The potato crop of 1893, for instance, was 183,035,000 bushels, and it was worth $108,661,801. The crop of 1895 was 297,237,000 bushels, but it was worth only $78,984,901. In 1895 the farmers produced 114,203,000 bushels more potatoes than they did in 1893, btu they received $29,676,900 less money for them than they did for the smaller crop of 1893. They therefore produced that 114 million bushels of potatoes for nothing, and worse than that, they knocked 29 million dollars out of the value of the 1893 crop for the privilege of producing them! Something very much the same occurred in the crops of 1900 and 1901. The crop of 1900 was 210,926,000 bushels, and it was worth $90,811,167. That of 1901 was only 187,598,000 bushels, but it brought the farmers, according to the department of agriculture, $143,997,470! Other years' crops show a similar record. Every time there is an excess of production the price is knocked down, and the value of the whole crop is reduced.

And this condition does not apply to potatoes only. It is true of EVERY CROP. The wheat crop of 1901 was the largest ever produced in the country, 748,460,218 bushels, and its value to the farmers, as given by the department of agriculture, was $467,350,156. The crop of 1908 was 664,602,000 bushels, 83,858,218 bushels less than the crop of 1901, but it was worth, says the department of agriculture, $616,826,000, nearly a hundred and fifty million dollars more than the big crop of 1901!

But are these crops too far apart for fair comparison? Take the crops of 1906 and 1907. The wheat crop of 1906 was 735,260,970 bushels, and at the average price at which it sold, it brought the farmers $490,332,700. The wheat crop of 1907 dropped to 634,087,000 bushels, but the value jumped to $554,437,000, a gain of more than sixty-four million dollars over the much larger crop of the year before.

Whenever the demand is over-supplied, the market is glutted, the price of the whole crop is reduced, and the value falls.

The point is this: When the schools, agricultural departments, and benevolently disposed persons seek to boom the production of a crop, they should first study the demand for that crop, and learn if the demand is already supplied at prices fair to both producers and consumers. If it is, their effort should be turned in some other direction. The control of production is just as important as is the control of marketing. A farmers institute train would meet but cool reception were its lecturers to urge the farmers to sell their products at the first price offered, and the lower the better. But that is precisely what they do when they urge the increased production of a crop that already fully supplies the demand at equitable prices.

DETERMINED TO HAVE CANADIAN WHEAT

THERE is a new tariff board, and, as might well have been expected, its principal duty will be to "protect protection." That is what it was created for. The protection interests need not be expected to yield anything to the unprotected interests. Nor is it at all surprising that the first work of the board is already announced to be a trip into Canada to see if Canadian wheat cannot be diverted to the United States. If the farmers of the United States do not raise wheat enough to supply the country at an equitable price, then the people cannot be blamed for seeking wheat elsewhere.

But the supply has never failed and this country has always had a surplus to export and the price has never been inordinately high unless forced up by speculative corners. The farmers have never been to blame for that; and they have a right to demand that foreign grown wheat be not allowed to compete with their product, so long as manufacturers and others are protected by tariff laws from competition by foreign manufacturers. Since farmers must pay this protection on whatever they buy, they have a right to like protection on their products to enable them to pay for the protection to others. If the tariff board admits Canadian wheat into this country to sell in free competition with wheat grown in the United States, the farmers should repudiate the proposition, and hold responsible those who permit it. In this age of greed and graft, and monopoly rule, farmers MUST defend themselves.

THE TROUBLE IS IN THE MARKETING

TO see how rapidly a good idea takes root, and grows, and spreads, is encouraging. The marketing feature of farming was never referred to a few years ago. Now it is heard almost everywhere, and we do not believe the powers of selfish greed can long withstand the indignant protest of the people. The discussion of high prices has helped wonderfully to lay before the public the iniquity of the present price-making and marketing system. To show how the inoculation is taking, we quote the following from the Long Island Agronomist:

> Some of the writers show plainly a lack of real knowledge of the item which is selected as the sole cause of high prices.
>
> So it goes. Let us waste no time on items big or little, let us courteously dismiss every explanation as interesting but unconvincing, for the reason is fundamental, it is directly due to the fact that in food products alone the method of buying and selling does not conform to modern methods long since proven sound.
>
> Supply and demand, here cut no ice whatever. A producer is told his crops have struck a market overloaded and yet the consumer finds no reduction in cost to him.
>
> Manufacturers have their own salesmen who sell direct to consumers.
>
> Food producers have their goods pass through many hands in order to reach city food consumers, the result is an astounding addition to the amount received by the producer, a big percentage of this advance is absolutely unnecessary and can and should be promptly eliminated.

CAN'T STOP TRADE GAMBLING

THE newspapers that support speculative and option dealing in farm products are already raising the cry that to attempt to make such deals unlawful would be to attack the liberties of the people and interfere with the commerce of the country. Attack any evil and it comes forward with the same argument.

> "No thief e'er felt the halter draw,
> With good opinion of the law!"

No one has a right to sell, for purposes of gain, what he does not own, and what he does not expect to deliver; and no one has a right to buy, with the hope of winning a profit, what he knows will not become his, and what he does not desire shall become his. Such transactions magnify the quantity of the commodity in existence, defy the law of supply and demand, disturb the natural and legitimate course of business, and wrong both producers and consumers.

If law can restrain wrong at all, it certainly can restrain such wrong as that; and if the statesmen of the United States cannot frame such a law it is because they are afraid of the powers behind the bulls and bears of the so-called market exchanges.

Up-to-Date

THE STENCH IS AWFUL

WE never knew a time when there was so much corruption and dishonesty charged and we had almost said, confessed and proven, as there is now. The National Sugar company, the American Sugar Refining company and the Arbuckle Brothers, have confessed, it is reported, to swindling the government in short weights, and have agreed, so it is said, to pay $3,500,000 in settlement of the claims against them. Then the government is after the packing houses, the tobacco trust, the oleomargarine people, the land, coal and water power grabbers in the Northwest, and we do not know how many similar institutions.

What does it all mean, and what will the end be? We scarcely know whether to criticize the party in power for allowing such a condition to be brought about, or to applaud it for getting after the law breakers. Guess it will be wise to wait and see what the final result is. The most worthless dog we ever knew was one that was eternally chassing rabbits, but he never caught any, though he could make a heap of noise while he was after them.

Up-to-Date

THE BOOT AND SHOE SITUATION

THERE is something a little peculiar in the boot and shoe situation in this country. Footwear is high and is going higher. The excuse is that the material of which boots and shoes are made is scarce. President Taft required hides to be put on the free list before he would agree to sign the tariff bill. It was said that was to make leather plentier and boots and shoe cheaper. Boots and shoes, the people believe, have been going higher in price ever since the tariff bill became a law.

Here is the strange situation: Last year there were exported from the United States and sold in foreign countries 6,750,000 pairs of boots and shoes. Two years before, in 1907, there were exported 6,333,333 pairs. We have not the figures for 1908.

If these boots and shoes had been kept in this country could there have been offered in excuse for high prices, that these articles and the material of which they are made, are so scarce they cannot be sold cheaper? And were those that were sent abroad sold so high in foreign countries as like articles are sold in this?

There is a tariff on boots and shoes to prevent other countries from shipping them into the United States. That is, foreign manufacturers, in addition to the cost of the commodities, must pay a tariff tax for the privilege of selling their make of boots and shoes here, and the additional cost of freight besides. Yet in 1908, Germany shipped into the United States $3,648,000 worth of boots and shoes; France shipped in $2,057,000 worth, and Spain shipped in $1,456,000 worth! On these boots and shoes the extra charges of tariff and freight were paid, and yet they were sold in competition with our home-made boots and shoes.

Sure as you live, there is something a little mysterious about all this. And boots and shoes still going higher.

A LITTLE CHILD SHALL LEAD THEM

My little daughter, 13 years old, subscribed for Up-to-Date Farming some two months ago and since then I have been an interested reader of it. Your paper seems to be a complete education on the successful plan to secure profitable prices for farm products. Please send me by-laws, etc., of the Farmers Society of Equity and instructions how to organize a local union.—A. R. Troutman, Millerstown, Pa.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



AFTER a winter of unusual steady cold weather and snow the first spring month was well behaved. It has been many years since March permitted the amount of farm work to be done and the farmers are well ahead with plowing and seeding. Large crops will be planted. The fine weather, with lack of rain, has, however, produced drought conditions, or bordering on such at this writing, over a very large extent of country. Winter wheat has suffered as a consequence. In many sections the condition of wheat is reported as "serious." As spring rains did not follow the winter frosts much wheat that was feeble has already perished. At this time it is impossible to estimate the damage, but much apparent damage may be repaired if rains come soon.

It makes us shudder when we think of the consequences of a severe wide-spread drought in our country. We have not had one since 1901. That year all the crops were short but wheat which was the largest crop the country ever grew, before or since. It was 748,400,218 bushels compared with the 10 year average of 640,000,000 bushels. The corn crop that year was 1,522,519,891 bushels and the ten year average is 2,175,900,000 bushels. The oats crop was 736,808,724 bushels and the ten year average is 770,200,000 bushels. The potato crop was 187,598,087 bushels and the ten year average is 263,740,000 bushels. All vegetables and fruit were proportionately short. Then much larger supplies were carried, prices were low, and consumption was not near as great as now. A drought like 1901 would be the greatest calamity that could come to the country and we pray that our nation may not experience it.

But we may as well calculate on great droughts in the future as they were in the past and we wonder if one is not due about now. For eight years we have had exceptional seasons, plenty of rain and large crops. Never in the history of agriculture in America were there eight other consecutive years of such abundant harvests. But the average will be maintained as long as the laws of nature do not change—the average cold, the average heat, the average rainfall, the average season. We have now departed quite a ways from the average and the question is, will the pendulum begin to swing back this year? If farmers were organized they could carry large amounts of staple crops against the times of short crops that are bound to come and thus lessen the direful results, if not avert the calamity to business and the consumers of farm products.

The increase in the visible supply of corn is worthy of comment, being 1,596,000 since our former report and the price has declined 1 to 1 1-2c in the west and about 3c a bushel in the eastern markets. Corn is low enough now to seek the market through pork which has been smashing all high mark records. Unless some new feature enters into the proposition we predict a rapid increase in the supply of hogs and a reduction in price during this year. Potatoes continue on the toboggan and we will not attempt a prediction how low they will go. Our advice has been to market gradually so that fair prices might be maintained and no grower would be caught by the low prices with his whole crop on hand. We cannot subscribe to the resolution passed a few days ago by the board of directors of a pretended farmers' society, to withhold marketing potatoes until May 1st. We have known seasons when the very low prices in March and April caused growers to dump, feed and waste their potatoes to such an extent that the last run of old potatoes sold for very high prices. But the high prices were not the result of any general scheme of holding, but a mania for dumping. We expect the new. Southern crop will dominate the market about May first and preclude high prices for old stock.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supply of wheat in the United States, by Bradstreet's report, on March 12th was 33,091,000 bushels. This was 457,000 bushels more than two weeks before, 11,672,000 bushels less than a year before and 6,101,000 bushels less than two years before.

The visible supply of corn on the same date was 25,405,000 bushels. This was 1,596,000 bushels more than two weeks before, 231,000 bushels more than a year before and 11,848,000 bushels more than two years before.

The visible supply of oats on the same day was 144,747,000 bushels. This was 801,000 bushels more than two weeks before, 2313,000 bushels more than a year before and 1,500,000 bushels more than two years before.

The visible supply of barley on the same date was 4,278,000 bushels. That was 240,000 bushels less than two weeks before, 775,000 bushels less than a year before and 461,000 bushels less than two years before.

The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending March 11,	1910	Mar. 4, 1910	Mar. 12, 1909
American	3,018,447	3,152,109	4,144,990
Other kinds	1,315,000	1,288,000	1,185,000
Total	4,333,447	4,440,109	5,329,990

Price of cotton, New York, March 21—Middling upland, 15.10c; Middling gulf, 15.35c. Cotton is 35c per cwt. higher than two weeks before.

PRICES OF CASH GRAIN

The closing prices of cash grain in leading markets on March 22, with comparisons, were as follows:

CHICAGO—Wheat, No. 2 red, $1.18@1.19; two weeks before, $1.18@1.20. Corn, No. 3, 58@59½c; two weeks before, 59½@60c. Oats, No. 2, 45c; two weeks before, 46½@47c.

ST. LOUIS—Wheat, No. 2 red, no quotation; two weeks before, $1.24½. Corn, No. 2 white, two weeks before, 64c. Oats, No. 2, white, 46½c; two weeks before, 48½c.

KANSAS CITY—Wheat, No. 2 red, $1.16@1.20; two weeks before, the same. No. 2 hard, $1.08@1.11; two weeks before, 1.07½@1.10. Corn, No. 2 white 60c; two weeks before, 61½c. Oats, No. 2 white, 44@46c; two weeks before, 46@48c.

CINCINNATI—Wheat, No. 2 red, $1.18@1.20; two weeks before, $1.20@1.22. Corn, No. 3 white, 61½@62c; two weeks before, 61@61½c. Oats, No. 2 white, 47½@48c; two weeks before, the same.

NEW YORK—Wheat, No. 2 red, $1.25; two weeks before, $1.28. Corn, No. 2, 64½c; two weeks before, 67c. Oats, No. 2, 48½@50½c; two weeks before, 51@53c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.14¾@1.16¼; two weeks before, $1.12⅞@1.13⅞. No. 1 Northern spring, $1.14¼@1.15¾; two weeks before, $1.12⅝@1.13⅜.

FUTURE PRICES OF GRAIN

Chicago futures closed March 22, as follows:

WHEAT—May, $1.13¼; July, $1.08⅛; Sept., $1.06⅛. Two weeks before, $1.12⅝, $1.03¾, and 99⅞c respectively.

CORN—May, 62¾c; July, 64¾c; Sept., 65¾c. Two weeks before, 63½c, 65c, and 65½c, respectively.

OATS—May, 43¾c; July, 42¼c; Sept., 40c. Two weeks before, 45c, 42¾c and 40¼c, resepctively.

CHICAGO PRODUCE MARKET

(March 22.)

POTATOES—A weaker feeling prevailed and the main sales were at a lower range of prices. There was only a moderate demand as the trade took on a good supply the day before. Receipts are liberal, which is the main reason for the weak condition of the market. The weather is warm and receivers are anxious to keep the stock moving.

Arrivals by cars, with comparisons, follow:

	This week	Last week	Last year.
Monday	141	139	60
Tuesday	57	45	28
Total, 2 days	198	184	88

Prices—Minnesota, Wisconsin or Michigan, good to choice white, 28@30c; ordinary to fair, 23@27c. The price is 7c a bushel lower than two weeks before.

HAY—Receipts, 1,350 tons; shipments, 114 tons, choice grades steady. Demand moderate and offerings fair. Supply liberal, demand good.

Price—Choice timothy, $18@18.50; No. 2 timothy, $14.50@15; Prairie hay, $14.50@15. The price was a little lower on choice, and $1.50 a ton lower on No. 2 timothy than two weeks before.

BEANS—The market is quiet. Arrivals continue to be very moderate. Stocks moderate to small. Demand tame.

Price—Choice hand-picked Pea beans, $2.20; prime, $2.15; Red Kidney, $2.90@3.10. The price is the same as two weeks before but the arrivals and stocks on hand predict an advance soon.

APPLES—There ruled a steady to firm feeling. Demand is steady and very good for barrel stock with some improvement in price. Price per barrel:

	No. 1	Fancy
Ben Davis	$2.50@3.00	$3.50@3.75
Jonathan	3.75@4.00	4.50@5.00
Kings	3.50@3.75	4.00@4.50
Spies	3.50@3.75	4.00@4.50
Baldwins	3.25@3.50	4.00@4.25
Greenings	3.50@4.00	4.25@4.50

The price advance 25 to 50c a barrel since our former report.

EGGS—Trade is good, though, of course buyers are striving to buy at as low figures as possible. Receipts are liberal, but deand is sufficient to take the offerings. Deand is active.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week Cases	Last week Cases	Last year Cases
Monday	15,199	7,140	15,986
Tuesday	23,564	8,174	19,172
Total	38,763	15,314	35,158

Price—The following quotations were established by the Chicago Butter and Egg Board: Miscellaneous lots, cases included, 17½@19c; ordinary firsts, 18c; prime firsts, 21c. The price is about 1½c lower than two weeks before.

MEETINGS

The following meetings in the interest of agriculture have been announced:

Fourth Annual National Corn Exposition, Columbus, Ohio, Jan. 30 to Feb. 11, 1911. (The first one was held in Chicago and the second and third in Omaha, Neb.) E. D. Funk, Shirley, Ill., pres., Geo. H. Stevenson, sec., Columbus, O.

International Dry Farming Exposition, Oct. 3 to 8, Spokane, Wash. This will be held in connection with the Fifth Dry Farming Congress. Prof. W. H. Olin of Colorado has prepared the preliminary premium list which is now ready to send out.

BULLETINS

Our readers should send for such bulletins as are on subjects of interest. Usually they are free.

U. S. Dept. of Agriculture, Washington, D. C.—Circulars; No. 31, The Adulteration and Misbranding of Alfalfa, Clover, Orchard and Kentucky Bluegrass Seed; No. 120, Control of the Brown Rot and Plum Curculio on Peaches; No. 703, Monthly List of Publications. Bulletins: No. 85, part III, The Clover-Root Curculio; No. 243, Fungicides and Their Use in Preventing Diseases of Fruits; No. 387, The Preservative Treatment of Farm Timbers; No. 170, Traction Plowing; No. 391, Economical Use of Meat in the Home; Twenty-fifth Annual Report of the Bureau of Animal Industry.

Alabama Experiment Station, Auburn—Bulletin: No. 149, Tests of Varieties of Cotton in 1909.

Arizona Experiment Station, Tucson.—Bulletin; No. 62, Olive Culture and Oil Manufacture.

Connecticut Experiment Staion, Storrs—Bulletin: No. 61, Apple Growing in New England; Reports: Food and Drug Products, 1909; Commercial Feeding Stuffs, 1909.

Illinois Experiment Station, Urbana—Circulars: No. 136, Directions for Making Spray Mixtures; No. 139, How to Grow Mushrooms; Program of a Conference on the Teaching of Agriculture in the Common Schools of Illinois. Bulletins: No. 143, Economy of the Round Dairy Barn; No. 14, Growing Tomatoes For the Early Market. Report: Statistical of the State Board of Agriculture.

Indiana Experiment Staion, Lafayette—Circular: No. 21, Spraying the Orchard; Bulletins; No. 138, The San Jose Scale; No. 157, 1910 Seed Corn Low in Vitality; No. 156, Seed Testing for Indiana Farmers. No. 155, Comparative Tests of Varieties of Farm Crops. Report of the President and Other Officers of Purdue University; Twenty-second Annual Report of the Experiment Station.

Iowa Experiment Station—Ames—Press Bulletin No. 20, Seed Corn for 1910.

Kansas Experiment Station, Manhattan—Bulletins: No. 163, Hog Cholera and Vaccination; No. 164, The Selection and Feeding of Laying Hens.

Maine Experiment Station, Orono—Official Inspections of Fertilizers.

Mississippi Experiment Station, Agricultural College—Circular: No. 30, Inspection and Analyses of Commercial Fertilizers. Bulletins: No. 133, Inspection and Analyses of Commercial Feeding Stuffs; No. 129, Sugar Cane for Syrup Making; No. 131, Snap Beans; No. 130, Peanuts; No. 124, Pecan Culture.

Nebraska Experiment Sta., Lincoln — Press Bulletin No. 32, Testing Seed Corn. Bulletin: No. 113, Oats; Tests, Sowing, Cultivation.

New Jersey Experiment Station, New Brunswick—Bulletins: No. 224, Analyses and Valuation of Commercial Fertilizers and Ground Bone—The Cost of Available Nitrogen; No. 225, Insects Injurious to Strawberries.

New Hampshire Experiment Station, Durham—Bulletine: No. 142, The Availability of the Soil Potash in Clay and Clay Loam Soils; No. 146, Analyses of Fertilizers; No. 147, Analyses of Feeding Stuffs; No. 145, Variety Tests of Oats, Barley, Wheat and Rye; No. 143, The Codling Moth—How to Control it by Spraying; No. 144, Some Apple Diseases.

New Mexico Experiment Sta., Santa Fe—Bulletins: No. 73, Tests of Pumping Plants in N. M.; No. 74, Onion Tests; No. 75, Apple Culture Under Irrigation.

New York Experiment Station, Ithaca—Bulletins: No. 263, Necrosis of the Grape Vine; No. 272, Fire Blight of Pears, Apples, Quinces, etc.; No. 270, Fancy Cheeses For the Farm and Factory; No. 269, Substitute For Skimmed Milk in Raising Calves; No. 268, The Substitution of Roots for Concentrated Foods in Rations for Milk Production; No. 265, On Certain Seed-Infesting Chalcis-Flies; No. 266, The Black Rot of the Grape and Its Control; No. 267, Fertilizer and Seeding Experiments With Root Crops.

Pennsylvania Dept. of Agriculture, Harrisburg—The Zoological Bulletin, Vols. VII, No. 8.

Rhode Island Experiment Station, Kingston—Report of Station, 1909; Bulletin, No. 39, Studies of the Needs of R. I. Soils.

Tennessee Experiment Station, Knoxville—Bulletin, No. 87, The Relation of the Weather Service to the Farmers of Tenn.

Utah Experiment Station, Logan—Bulletin No. 106, A Study of the Production and Movement of Nitric Nitrogen in Irrigated Soils. From the Oregon Short Line Railroad Co., Sale Lake, Utah—Orchard Heating to Protect Fruit Crops from Spring Frosts.

Is Your Life Insured?

We are desirous of gathering statistics on Farmers Life Insurance. We want to know how many of our readers carry insurance on their lives. We will, therefore, make it worth your while to reply and will give

A Prize For Each Answer

from a person carrying Life Insurance. Answer the following questions:

How much insurance do you carry? .....

What is the annual premium? .....

What Company or Companies is it in, and how much in each? .....

.....

.....

How long has the policy been in force? .....

Write your answers plainly and mail before April 20th to

LIFE INSURANCE EDITOR
UP-TO-DATE FARMING, INDIANAPOLIS

Nitrate of Soda

The Modern High-Grade Fertilizer

Cheapest, Cleanest

Odorless

Can be used anywhere on any crop

Convenient for use

Increases your farm values

$3.00 worth of Nitrate alone on an acre of Grass has given an increased crop of 1000 lbs. of barn-cured Hay.

Prime hay has sold for $25 per ton in New York this season.

Books on the crops which interest you will be sent free.

Send name and address on Postal Card

DR. W. S. MYERS
Nitrate Propaganda
71 Nassau Street, New York



2 Grand Prizes

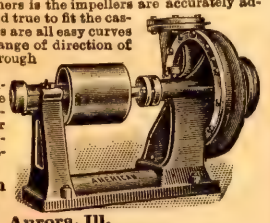
and 5 Gold Medals

all the Grand Prizes and all the Gold Medals given to Pumps by the Alaska-Yukon-Pacific Exposition at Seattle last summer, were awarded to

"AMERICAN" Pumping Machinery

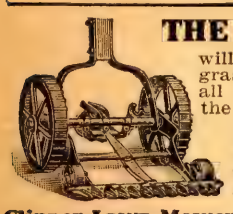
The reason why "American" centrifugals attain higher efficiencies than others is the impellers are accurately adjusted and machined true to fit the casing and the flowlines are all easy curves with no sudden change of direction of fluid in passing through the pump.

"American" centrifugals are made in any size, equipped with any power and guaranteed rigidly. Complete Catalog No. 104 Free.



The American Well Works

Office and Works: **Aurora, Ill.**
Chicago Office: First National Bank Building.



THE CLIPPER

will cut tall grass, short grass and weeds, and do all the trimming along the fence, walks and drives. If your dealers do not keep them, let us know, and we will send circulars and prices.

Clipper Lawn Mower Co., Dixon, Illinois

If You Ship

To the Chicago Market consign your Fruit and Vegetables, including potatoes to

M. George & Company, 95 S. Water St.

Established 1866. Member of the American League of Commission Merchants of the U. S.

This house has special terms to quote members of the Farmers Society of Equity.

We recommend this house.—Publisher of UP-TO-DATE FARMING.

Pull Your Stumps

—Only All-Steel, Triple-Power Stump Puller made. 400% stronger than any other. Pulls roots and all. Don't risk dynamite. Use the

HERCULES STUMP PULLER

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All free books and proposition to first buyers in each locality. Write postal today.

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E. E. VROOMAN, 838 F. St. Washington, D. C.

UP-TO-DATE FARMING

Production and Marketing

THERE IS BUT ONE

I thought I knew all man could know,
About my farm and stock and things;
I planted as good farmers do,
And whistled as the robin sings.
I plowed, and hoed, and tilled my fields,
And watched my crops maturing well;
And then I harvested with care,
But when I sold the prices fell.

What did it mean? I did not know;
I thought my part was to produce;
But somehow, it appeared to me,
The more I grew the less the use.
But see! A thought came in my mind.
I get my money when I sell;
And more would come to be my share
If I could learn to market well.

How could I learn? Bill Jones declared
The knowledge was in easy reach;
And if I used my eyes and mind,
A paper all these truths would teach.
What paper? Bill smiled back at me,
Nor did a moment hesitate;
There is but one, he calmly said,
And that is Everitt's UP-TO-DATE.

INFORMATION ABOUT SORGHUM

THOUGH all the cultivated "sorghums" probably came originally from a single wild species, the term as now used includes a greater number of cultivated varieties differing widely in character. These are commonly divided into two general classes, (1) the saccharine sorghums which have sweet juice and are now called sorgos; and (2) the non-saccharine sorghums which include Kafir corn, broom-corn, durra, shallu, kowliang and some others.

Different varieties of sorghum have been in cultivation in India, China, and in different parts of Africa for many centuries. Pliny recounts its introduction into Italy during the first century of the Christian era.

The seeds of sorghum are largely used for human food in India, and in parts of Africa, and to some extent elsewhere. In nearly all the temperate and tropical regions of the world, sorghum is grown both for grain and forage.

In this country the value of sorghum is well recognized. It is widely cultivated as a fodder crop and to a considerable extent as a grain crop. At one time the government experimented for several years in the manufacture of sugar from the saccharine varieties, but the results secured did not justify the hope that sorgo would become one of the great sugar-producing plants of the world. Considerable qualities of table syrup are manufactured from it every year.

The U. S. Department of Agriculture has recently issued two publications relating to sorghum—a Bulletin on "The History and Distribution of Sorghum," and a Circular for free distribution on "Three Much Misrepresented Sorghums." The object of the latter is to set the people right concerning some mistakes and misrepresentations.

Recently an Oklahoma man has been selling at 50 cents a pound seed grain of what he calls "California wheat" which he declares will produce 200 to 500 bushels per acre. The Department shows that this is a variety of sorghum known as Shallu which, after thorough test a few years ago, proved only about half as productive as Kafir corn. It is also inferior as a forage crop.

The second of these "misrepresented sorghums" is a so-called "chocolate corn" accounts of which have appeared in the press at different times. The Department announces that it never had any seed of "chocolate corn" for distribution, and that the plants which have sometimes received that name were simply varieties of sorghum, probably in most cases the Early Amber sorgo.

The sale of sorghum seed in the South under the name of "Texas Seeded Ribbon Cane" by certain seedsmen has led to much confusion and disappointment. The use of the term "Ribbon Cane" is the cause of the trouble, since this is the popular name for the sugar cane of the South which does not bear seed. The impression spread by advertisers of this seed was that they were offering a variety of the sugar cane which would produce seed, and there was a large demand for this seed which in fact was nothing more than "gooseneck" sorghum. The demand eventually exhausted the supply of seed and the seedsmen begun filling orders with other sorghum seed. The fraud was promptly exposed by the Department of Agriculture, but the sale of this seed continues. The Department urges that the name "Seeded Ribbon Cane" be discontinued because it is misleading.—Washington Correspondence.

THE FARMER AND THE MULE

IN old times the sheep was the animal with the golden hoof, and he is a money maker yet. But the mule is entitled to that designation now. Nobody loves a mule for itself. He is the hated of the barn lot and pasture. But in these days he is prized by all for the work he can do, and especially for the money that is wrapped up in him. There is not an animal on the farm whose present price carries with it greater profits; and the farmer who has a bunch of growing mules is a thrifty farmer.

But we may say the horse colt is not to be frowned upon. The demand for horses is good, and prices rule high. There is no mistake in raising colts, either horse or mule.

FEWER ACRES BETTER MANAGED

EVERYBODY that is of any account has ambitions; and the ambitious young farmer looks around him and worries because he sees no very good chance to get a big farm. We know how to sympathize with such people, for we once passed through what appeared to us the same discouragement. But in our day it was much easier to get big farms than it is now. The fact is big farms are getting scarcer all the time, and the young men of today must accept the situation. And as the years go by farms must constantly grow less. The motto of the farmer of today and tomorrow must be: "Fewer acres and better management."

A Nebraska farmer by the name of Martin (wish we had his full name and address) seems to have reached the point to which we are looking, and to which earnest, progressive farmers are really tending. Wm. Martin, it is said, makes $1,000 a year above expenses on twenty acres of land, and this is what he says about it:

"I think I have found a remedy for poverty and hard times. Any man can pick up ten or twenty acres. On ten acres he can make a living. On twenty acres he can get rich. I cannot understand why a man will stay around a city working for starvation wages when he can walk out into the country a few miles and get a farm and be independent.

"My only market is a small town of 2,500 people, mostly farmers themselves. If my farm was near a city I could make a great deal more money on it."

Hence, our advice to young farmers is to get a home. Do your best, but don't worry if you can't get a big farm. There are dollars in every acre of soil, and Our Up-to-Date People are rapidly learning how to get them out.

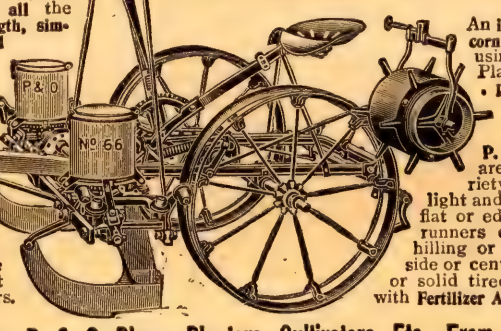
IS IT SCARCE

"Truth is mighty," declared the lecturer.
"Yes, mighty scarce!" growled Grouchy.

P & O

No. 66 Corn Planter

Many Corn Planters are sold on the strength of some one feature upon which so much stress is laid that all else is forgotten. **P. & O. Planters** combine **all** the qualities of **strength, simplicity, accuracy and ease of operation.** The frames are the strongest ever made.



An **increased yield of corn** is assured by using a **P. & O.** Planter, as the planting mechanism is accurate.

All **P. & O.** Planters have **Tilting Hoppers** and plates can be changed without emptying hoppers.

P. & O. Planters are made in a variety of styles—light and heavy weight, flat or edge drop, with runners or discs, for hilling or drilling, with side or center reels, open or solid tired wheels, and with **Fertilizer Attachments.**

Insist on Getting P. & O. Plows, Planters, Cultivators, Etc., From Your Dealer.

A Beautifully Illustrated Pamphlet, and a P. & O. Catalog, will be mailed free on request. Remember that P. & O. Canton Implements have been the World's Best for over two-thirds of a century, and are backed by an unqualified guarantee. Write for Catalog N 41

Parlin & Orendorff Co., Canton, Illinois.

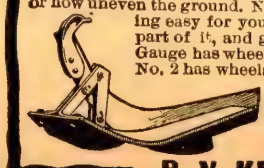
It's Easy to Grow



100 BUSHEL CORN

with Keller's Rotary Corn Planter Gauge

ALL your seed corn is bound to come up because every kernel gets planted the right depth. Our gauges fit any make of corn planter, and make the shoe cut just so deep, no matter what the speed or how uneven the ground. No clogging; no sticking: the wheels roll down the trash and make planting easy for you and your team. You harvest ALL the corn you plant, instead of only part of it, and get 100 bu. per acre where you've been getting 60 or 80. Our No. 1 Gauge has wheels 2½x7 in., and single clamp. Price $5 per set, complete with scrapers. No. 2 has wheels 3½x10 in., and a powerful double grip clamp. Price $6 per set, complete with scrapers. No. 3 is an improved Sled Gauge, made for those who still prefer this style. Long, wide blades, 3½x20 inches. Price $5 per set. All prices include free delivery to your nearest railroad station. Get our special money-making proposition, also our FREE BOOKLET. Don't risk forgetting it: write TO-DAY to



P. V. KELLER MFG. CO., Waterloo, Iowa



Two Michigan farmers talking over the potato prices, present and past. When they hear of the many meetings of the F. S. E. in that State they will go to one and learn how to make the prices.

SOME ARE HOLDING; SOME ARE NOT

IN the following States the farmers still hold more wheat of the crop of 1909 than they had at the same time last year of the crop of 1908: New York, Pennsylvania, Michigan, Illinois, Minnesota, Kansas, Nebraska, South Dakota and North Dakota. The following states have less: Texas, Indiana, Wisconsin, Iowa, Missouri and California.

The States holding more corn than they did last year are: Ohio, Minnesota, Kansas, Nebraska, South Dakota and North Dakota. Those holding less corn are: New York, Pennsylvania, Texas, Michigan, Illinois, Iowa, Missouri and California.

The amount of wheat reported in farmers' hands March 8, was 173,344,000 bushels, against 143,692,000 bushels held at the same time last year.

The amount of corn reported in farmers' hands March 8 was 1,050,865,000 bushels, against 1,047,763,000 bushels at the same time last year.

It is well to say, however, that there is little assurance of accuracy in these figures. The mills and elevators and speculative holders are asked to report their holdings, and what these do not account for is reported as still in farmers' hands.

KUDZEE

"What the mischief is that?" is about the first thought of the reader on noting the above head. Well, it is a vining plant from Japan, and it is a legume, and, therefore, like peas, beans, cloves, alfalfa, etc., it has root bacteria nodules and stores nitrogen in the soil from the atmosphere, thus enriching the soil where it grows. Unlike most other legumes, it has large, tuberous, starchy roots, that are perennial. In the north the top is killed by the frost, but in the south the older portions of the stem survive the winter. The leaves are in clusters of three, on stems ten to twelve inches in length. Strong young vines are nearly as thick as a lead pencil, and during warm weather these stems or vines grow very rapidly. Two year old plants sometimes make stems seventy or more feet long in a season. Some who have grown the Kudzee, or "Jack and the Bean Stalk," as it is sometimes called, say that by July 20 of the second season, it will produce a cutting of two tons to the acre, with another such cutting before frost. But concerning that, Prof. Ernest Walker, of the Arkansas College of Agriculture, says:

Knowing the habit of the plant and its tremendous vigor and rankness of growth, I have no doubt about the quantity of herbage it would produce, but I am extremely skeptical as to the practicability of harvesting the crop by any ordinary means. The plant would likely possess considerable value for covering waste places, and for holding soils inclined to wash and gully, and for forage purposes when cattle could do the harvesting. On fairly good soils there would be a twining mass of herbage which, I should think, would make the work of the mower entirely impracticable.

The Kudzee is frequently used as an ornamental climber, its rapid growth making it particularly adapted to that purpose. But it's flowers, small purple ones, neither numerous nor showy, add little to its beauty. It's value is as a qucik growing foliage screen.

It occurs to us though, but with no experience with it, that it would be a valuable pasture plant in old fields; furnishing forage and at the same time adding nitrogen, and enlivening the old ground, thus being doubly valuable in increasing the fertility of the soil and improving its mechanical condition, both conducing to greater productiveness.

FENCE POSTS

A live question for farmer and stockman is fence posts. The barb wire and the woven wire have settled the question of the fence, but these must be supported on posts. When the posts fail the fence becomes disorganized, and unless promptly repaired, gets tangled and practically ruined.

It will not be long until concrete posts supercede all others, but that time is not just yet. Of the wood posts catalpa, the genuine speciosa, is the nearest a solution of the problem, and whoever is growing catalpa is not only serving himself well, but he is doing good work for the future.

A little care makes the ordinary woods much more durable than they usually are. Seasoned posts last much longer than those that are set green. Charring the outside of the part of the post that is to go into the ground is a preservative well worth the trouble. The charring should extend some inches above the ground surface, and it should be most thorough from the point to six or eight inches below the surface. The post rots off just below the surface.

There are many chemical preservatives that are quite effective, but their use is scarcely practical on the ordinary farm.

MUST GIVE CENSUS INFORMATION

A Proclamation.

WHEREAS, by the Act of Congress approved July 2, 1909, the Thirteenth Decennial Census of the United States is to be taken, beginning on the fifteenth day of April, nineteen hundred and ten; and

WHEREAS a correct enumeration of the population every ten years is required by the Constitution of the United States for the purpose of determining the representation of the several States in the House of Representatives; and

WHEREAS it is of the utmost importance to the interests of all the people of the United States that this census should be a complete and accurate report of the population and resources of the country:

Now, therefore, I, William Howard Taft, President of the United States of America, do hereby declare and make known that, under the act aforesaid, it is the duty of every person to answer all questions on the census schedules applying to him and the family to which he belongs, and to the farm occupied by him or his family, and that any adult refusing to do so is subject to penalty.

The sole purpose of the census is to secure general statistical information regarding the population and resources of the country, and replies are required from individuals only in order to permit the compilation of such general statistics. The census has nothing to do with taxation, with army or jury service, with the compulsion of school attendance, with the regulation of immigration, or with the enforcement of any national, state, or local law or ordinance, nor can any person be harmed in any way by furnishing the information required. There need be no fear that any disclosure will be made regarding any individual person or his affairs. For the due protection of the rights and intersets of the persons furnishing information every employee of the Census Bureau is prohibited, under heavy penalty, from disclosing any information which may thus come to his knowledge.

I therefore earnestly urge upon all persons to answer promptly, completely, and accurately all inquiries addressed to them by the enumerators or other employees of the Census Bureau, and thereby to contribute their share toward making this great and necessary public undertaking a success.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of the United States to be affixed.

Done at the city of Washington this fifteenth day of March, A. D., one thousand nine hundred and ten, and of the Independence of the United States of America the one hundred and thirty-fourth.

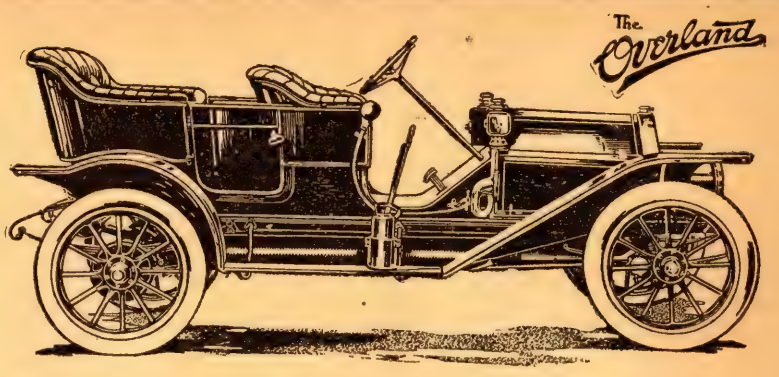
(Seal) WM. H. TAFT.

By the President: P. C. Knox, Secretary of State.

CHECKING IT

"My son, your extravagance must be checked. Do you understand that?"

"Yes, papa, I think a check for fifty will do this time."



The Overland— The Simple Car $1,000 Up

The four Overland factories, employing 4,000 men, are turning out 140 Overlands daily to meet the overwhelming demand. Orders are five times as heavy as last year—twenty times as heavy as two years ago. And most of these cars are used on country roads.

Texas Takes 1,500

Texas this year takes 1,500 Overlands. And our general agent for Texas has ordered 3,500 to be delivered in 1911.

Kansas takes 1,000 Overlands, Iowa, 1,000, Nebraska 750. Those are the main farming sections where Overlands became known last year.

In any sections—city or country—where Overlands have been used one year, you will find them outselling every other car in existence. And the demand, the country over, is larger than for any other make.

The Reasons

Within two years the Overland has reached the topmost place. It has done this solely through matchless merit. Each car has sold others, and the others sold others, until our orders for this year call for $24,000,000 worth of cars.

One reason is this: There is no other car anywhere near so simple. No other car has so few separate parts. The Overland is almost trouble-proof.

And the cars have our pedal control. Push a pedal forward to go ahead, and backward to reverse. Push another pedal forward to get on high speed. It is as simple as walking.

A child can master the car in ten minutes. A novice can run it the first time he takes the wheel.

The Overland always keeps going. We have run one of these cars 7,000 miles, night and day, without stopping the engine. Owners have run them up to 10,000 miles without even cleaning a spark plug.

The cost of upkeep is less than for any other car that will do what the Overland does.

The Small Cost

The 25-horsepower Overland, in roadster style, costs $1,000. The wheel base is 102 inches—the possible speed is 50 miles an hour. The power is ample for any requirement on any road or hill. The same car with a tonneau costs $1,100.

For $1,250 we sell a 50-horsepower car, with a 112-inch wheel base. And for $1,500 we offer all that any man can want. All prices include five lamps and magneto.

No other car gives anywhere near what the Overland gives for the money. The reason lies in our enormous output and our automatic machinery. We have cut the cost 20 per cent in the past year alone.

Two Free Books

The cars which are winning these legions of buyers will win you when you know the facts. We have two books which tell all about Overlands. Every motor car lover should read them. Cut out this coupon as a reminder to write for the books today.

E15

The Willys-Overland Company
Toledo, Ohio
Licensed Under Selden Patent

Please send me the two books free.

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(50)

Are They Afraid?

Twice this year we have publicly and widely made the following fair offer to manufacturers of common cream separators. We again repeat it:

If any maker of common cream separators will print the names and addresses of all persons who—for any reason whatever—exchanged Tubulars for his machine during 1909, we guarantee to print a list AT LEAST TEN TIMES AS LONG of those who discarded his class of machines for Tubulars during 1909.



No manufacturer has accepted this offer. Are they afraid? Is not their silence the best proof that Sharples Tubular Cream Separator sales exceed most, if not all, others combined—that Tubulars probably replace more common separators than any one maker of such machines sells? Could you ask any better reason for choosing the simple, sanitary, easy-to-clean Sharples Dairy Tubular—The World's Best?

World's biggest separator factory. America's oldest separator concern. Branch factories in Canada and Germany.

To oil the Dairy Tubular, pour a spoonful of oil into the gear case once or twice a week. Self oiling. No oil cups, tubes or holes.

Write for New Catalog No. 136.

Sharples 30 Yrs

THE SHARPLES SEPARATOR CO.,
WEST CHESTER, PA.
Chicago, Ill. San Francisco, Cal. Portland, Ore.
Toronto, Can. Winnipeg, Can.

$33.50 AND UP Galloway Only



"BATH IN OIL"
High Grade Separator—Direct

Save $25 to $50 direct at my factory price—freight prepaid. Get the only Separator that runs in "Bath of Oil," like a $5,000 automobile. This alone is worth $50 extra, but costs you nothing extra. Take

90 Days' Farm Test—Freight Prepaid

Why pay $85 to $110 to dealers or agents who cannot sell you a separator equal to the Galloway—closest skimmer—easiest run—easiest cleaned—10-yr. guarantee. Send for **BOOK FREE**

200 to 900 lbs. capacity.

WM. GALLOWAY CO.
503 Galloway Sta., Waterloo, Ia.

Don't Have a Blind One

Wonderful Discovery

"VISIO"



MOON BLINDNESS and all Diseases of the Eye successfully treated with this **NEW REMEDY.**

Money Back if it fails to cure. $2.00 per bottle postpaid on receipt of price,

Visio Remedy Ass'n, Dept. G, 1933 Wabash Av., Chicago, Ill.

You Can't Cut Out



A BOG SPAVIN, PUFF or THOROUGHPIN, but

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CALVES. Raise Them Without Milk. Booklet Free. J. W. BARWELL, Waukegan, Ill

HEAVES CURED. Dr. Frank's Remedy Co., Detroit, Mich., tells how, FREE.

UP TO DATE LIVE STOCK AND DAIRYING

WHAT DOES IT MEAN?

PEOPLE out in the rural districts are beginning to wonder what it is to be indicted. The tobacco trust is indicted; the sugar trust is indicted; the standard oil is indicted; the packers are indicted; the Guggenheims are in a fair way to be indicted, and now the milk trust in New York is indicted.

After investigating the milk trust for several weeks, the grand jury handed down what is called a blanket indictment, arraigning the Consolidated Milk Exchange, and charging the people composing this so-called exchange with having met in New York June 29, 1909, and "conspired together and with others to fix the price of milk, and did fix it at $1.41 for a 40-quart can of milk. That would be a little more than three and a half cents a quart. But what did they "conspire" to make the price to the milk consumers?

The thing that confuses the country people as to what it means to be indicted is, that all these indicted concerns are "still doing business at the old stand."

VEAL CALVES

YES, there is good money for farmers in veal calves, but we do not wish to encourage the selling of calves in the veal market. But we are writing this for farmers rather than for dairy people. The latter may find it a financial relief to get rid of the calves early, as their business is the sale of milk and butter; but with farmers it is different. We know the offer of as much for a six or eight weeks old calf as the farmer could hope to get for it when as many months old is a tempting one; but the farmer has pasture, and at a year and a half or two years old the value has gone to figures that carry much greater profits.

And the need of beef stock is pressing. The feed lots need to be filled up. The surplus feed and grain needs to be profitably consumed, and the cultivated ground needs the fertilizing effect of the manure. The framer who raises fat steers for market is on the sure road to an increased bank account. There isn't any doubt about that.

And the heifers. Not so many heifers as steers go to the veal market, and we are glad of that. There is a shortage of cows whether we consider dairying or not. There is a shortage of breeding stock. We urge farmers to build up in these lines.

It seems to us to be the duty of the publisher of a reputable paper, as far as lies in his power, to protect his readers from unscrupulous dealers and to call their attention to articles of real merit, and we take pleasure in this issue in calling your attention to the Hapgood Plow Company, 628 Front St., Alton, Illinois, who have for years prided themselves on the quality of their farm implements. We firmly believe that they spare no pains and expense to give their customers the greatest value that money can buy. Their goods are all made on honor and each article is sold on a positive guarantee. We are strongly of the opinion that it would be very much to your interest to write at once for their catalogue so that you can compare their prices with others who make big claims.

NOT COUNTING ALL

"If I consent to your marrying my daughter, do you think you will be able to support a family?"

"My dear sir, I didn't expect to have to support any but Mamie!"

TEXAS FEVER

MUCH headway has been made in the eradication of Texas fever in cattle that we are informed by the Department of Agriculture at Washington that quarantine has been removed from all but the following states: Louisiana, Alabama, and Florida, and parts of California, Texas, Oklahoma, Missouri, Arkansas, Tennessee, Mississippi, Georgia, South Carolina, North Carolina and Virginia. The quarantine has been reduced, about 80,000 square miles within the last three years; but it still covers the territory mentioned above.

THE CALL OF THE FARM

"Dollar wheat! Dollar wheat!" The words rang in his tired ears with a persistence that was maddening. The heat waves quivering before his aching eyes seemed to form fantastic dollar signs as they danced above the blistering pavements. The figures he was trying to add ran together in a confused mass.

"Telegram, Mr. Filmore," was the junior clerk with a sprightly distinctness which grated upon the worn nerves of Hotten's confidential man. With a calm indifference, born of long practice, Jack opened the dispatch, nodded and stuck it in his pocket.

"Back in a minute, Jim," he flung over his shoulder as he left the office. Once outside, his indifference gave way to great haste. He almost ran until he reached the office of Skinneh & Company, which he entered by the back door, a most convenient method for confidential men of large operators in wheat.

"All you can get, Skinnem, without boosting the prices. Buy in small lots and scatter your orders. Sell 10,000 bushels of September at $1, and incidentally allow the impression to prevail that the 'Old Man' is starting to unload."

"Certainly, Jack, certainly," replied Skinnem, rubbing his thin hands together, as was his habit, an oily grin showing teeth too white and even to be good imitations. The teeth were characteristic of the individual, clearly and palpably false. And yet Hotten trusted him with many of his most important deals. Jack's dislike for Skinnem was well known to the great operator, but, for some reason best known to himself, Hotten continued to do business through the broker.

"What hold you've got on Skinnem I do not know," exclaimed Filmore to his employer one day, "but you can bet your boots he'll throw you yet."

"Possibly, Jack," replied Hotten with a narrowing of the eyelids as he thought of the effect of such treachery, "but not yet, my boy, not yet."

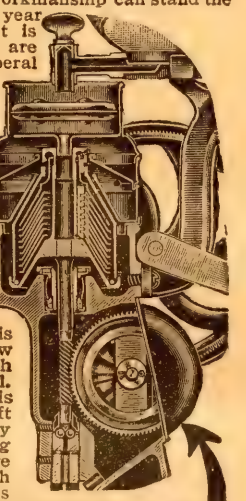
"Lord, I'm sick of it all," growled Filmore, pushing the papers on his desk to one side, "this infernal, eternal grab, grab, grab, for a dollar, a hundred, a thousand, ten thousand, then on and on, until millions fail to satisfy the growing appetite. I have heard it said the effect of whisky drinking was cumulative. If that is so, what, in the name of all thatis good, is the effect of dollaritis?" He grinned as he sounded his newly coined word, and thought it was not half bad.

The setting sun was sinking behind the tops of the skyscrapers, and the streets between became dark valleys filled with

An EMPIRE Cream Separator

Pays Big Dividends For a Lifetime

ALMOST any separator may give fair service for a little while—but only Empire construction, Empire materials and Empire workmanship can stand the strain twice a day, year after year. That is why all Empires are backed by the liberal Empire Guarantee—as good as a Government Bond.



Study the cross-section view shown here of the Empire Disc. The same general design is used in the Frictionless Empire also.

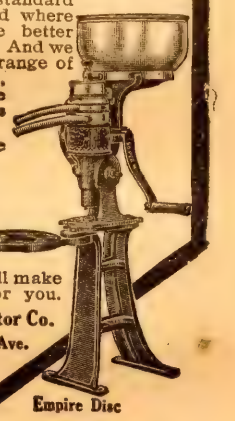
On the spindle at the lower end is cut a worm screw which meshes with the worm wheel. This worm wheel is on a pinion shaft which is turned by a cog. The cog meshes with a large drive wheel which the operator turns by a crank. Immediately below the bowl around the spindle is the upper bearing and at the lower end or point of the spindle is the lower bearing.

That's all there is to the driving part of an Empire. That is why it seems like play to turn an Empire after using any other separator.

First Grade Cream. All Empire users get highest price for cream or butter because Empire bowls are sanitary—no corners, slots or crevices in which old cream will stick and taint the next skimming, as in ordinary separators.

Different Styles —Widest Choice

Other manufacturers have but one style to offer you. Come to headquarters where different standard styles are made, and where each style is made better than anywhere else. And we manufacture a full range of sizes in each style, giving you **double the choice that others offer.**



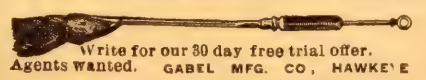
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Factory, Bloomfield, N. J.

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TO THE WOMAN—

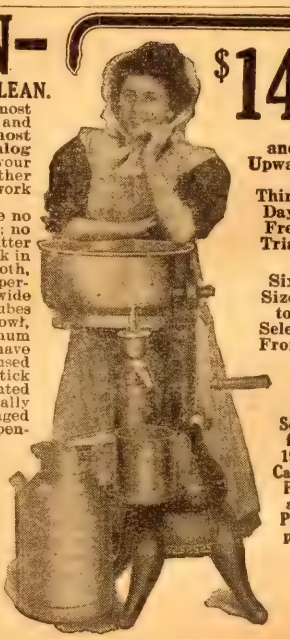
who will have to keep the Cream Separator you buy CLEAN.

ALL CREAM SEPARATORS are money makers and most of them are labor and time savers. Some save a little work and others save a good deal more, but the New Butterfly saves the most work, and for that reason you ought to get our **free 1910 catalog** before you buy a cream separator and read what hundreds of your sister women who have used both the New Butterfly and the other kind of separator have to say about the difference in time, work and trouble it takes to keep them **clean.**

IN THE NEW BUTTERFLY SEPARATOR there are no pipe shaped tubes to wash out; no crevices and corners to clean; no sharp perforations like a nutmeg grater to collect slime and butter fat; no loose parts to slide onto a wire frame and to be put back in place twice a day. The supply can is only waist high, has smooth, round, easily cleaned corners, removable faucet, and drains perfectly to the last drop of milk. The milk and cream spouts are wide open and easily cleaned, instead of the closed pipe shaped tubes used on other separators. There is only one piece inside the bowl, and that is our patented Skimming Device, made of pure aluminum—the non-rusting, easily cleaned, sanitary metal. You don't have to scrub it as you do the tin or tinned steel skimming devices used in other separators, because milk slime and butter fat won't stick to **aluminum.** This New Butterfly skimming device is patented by us in every dairy country of the world and is the only really great cream separator improvement of this decade. The hinged aluminum blades swing wide apart like the leaves of a book, opening up every part for quick and easy cleaning. There are no arrows or notches to watch for in putting the bowl together. You can assemble it with your eyes shut or in the dark. The New Butterfly Separator also has the skim milk outlet at the bottom of the bowl, making it absolutely self draining.

FOR ONLY $14.85 we offer you our **New Butterfly Jr. No. 1**—the biggest cream separator value ever offered. This machine will skim a quart of milk a minute just as perfectly as any $100.00 cream separator on the market and will last as long. It turns easily, skims perfectly and cleans easily. Has a 7 1-2-inch crank, inclosed dustproof and accident proof gears and a 2 1-2-gallon milk supply tank.

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CREAM SEPARATOR ARGUMENTS

We cannot believe that there is a sensible man living who would put his own money into the purchase of any other than a DE LAVAL cream separator, for his own use, if he would but first avail of the opportunity open to everyone to SEE and TRY an improved DE LAVAL machine before buying any other.

It is hardly possible to say more than this. It is hardly possible to put the simple truth in plainer words. It would hardly seem possible to say it more convincingly.

The TRIAL of a DE LAVAL machine is free to every responsible man thinking of buying a cream separator. We have agents in every locality for this purpose. If you don't know the agent in your neighborhood send to us for his name and address and it will be a pleasure to give your inquiry prompt and courteous attention.

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An Edwards "Reo" Steel Shingle Roof always saves from four to five times its cost. It outwears four wood shingle roofs and costs less than one. Outwears six composition or tar roofs. It's fireproof and *reduces insurance rates* from 10 to 20 per cent.



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Lay them yourself. No tarring—no soldering. Need only hammer and nails. Comes in stamped sheets of finest Bessemer Steel, 5 to 10 feet long, covering width of 24 inches. Either painted or galvanized. *Factory Prices—Freight Prepaid*—We are largest makers of iron and steel roofing and pay the freight on all Steel Shingles; Plain, Corrugated, V-Crimp Roofing; Imitation Brick Siding, etc. Write for free catalog 342and ask about our

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hurrying tides that ebbed and flowed with the droning hum of moving humanity.

Popping out from the darkness, the electric lights found Filmore still seated at his desk, looking out of the window but noting nothing of his immediate surroundings. He paid no attention to the cry of the newsboy who sought sale for his sportnig extras. The clang of the gong of the electric cars, the rumble of the wheels of the heavy express wagons and trucks, and the startled scream of a woman who narrowly escaped being run over, all fell on deadened ears. Jack looked above and beyond it all. There came to his vision a well-shaded road, dusty to be sure, but with borders of vivid green, made so by God-given moisture from a babbling brook which went dancing by under an old wooden bridge. There was a moss-grown mill, its ancient over-shot wheel tumbling to pieces, and, where was once the race, kind-faced cows now sank their noses into the cool stream, while a barefooted boy caressed the head of a large Scotch collie. At the five-barred gate stood a smiling woman with a mother's lovelight in her eyes flashing back an answer to the shy glance of the youngster who feared it might be deemed unmanly to allow any one to see how much she was to him. The clatter of a mowing machine preceded the appearance of a broad-shouldered, bronzed, open-faced son of the soil with a clean heart and cheerful voice.

Filmore passed his hand across his eyes, for there was an unusual dimness there. The noises of the city came to him now with a grating jar.

"By jove, I'll do it," he exclaimed, his face brightening. "I have kept faith with the 'Old Man' to the letter. When he took me in I promised him that, no matter what information I might receive, I would not personally speculate while acting as his secretary. I haven't. He told me when the feeling became irresistible, and I wanted to leave his employ, to let him know. I'll wire him tonight."

* * *

The next day passed slowly to Jack. There were telegrams in plenty from Hotten, who was in the West; buying orders, selling orders, curt instructions as to the handling of certain accounts, demands for quick information, all in a carefully prepared private code, the keys to which were locked in the brains of Hotten and his secretary. Still another day passed without any reply to the personal message from the secretary. Filmore began to call himself a fool, and his employer some harsh names. These pet names, however, were bestowed in silent soliloquy. A tired and rather dispirited secretary left the hot offices of William Hotten at the close of business hours, a man nursing a bitter resentment against the man he served, because his legitimate request had been ignored. Filmore was approaching a state dangerous to himself as well as to his employer, for the reason he was using sophistry to nerve him to break faith with the man whose affairs were in his hands. Sitting in his rocking-chair by the window, his cheeks grew hot, not only with the realization of whence he was drifting, but with the consciousness that the mother's face seen so sweetly in his day dream must be much more aged, the brown hair white, for in the rush and turmoil of city life he had forsaken her beyond an occasional hastily scrawled and unsatisfactory letter. While he was thus between the devil and the deep sea mentally, his telephone rang. The well-known voice at the other end made him jump.

"All right, sir," he replied, "I'll be right up."

Upon arriving at Hotten's palatial yet severely plain mansion, Filmore was at once ushered into the presence of the man who had the country by the ears through the ease with which he handled the wheat market, and apparently made puppets of the shrewdest operators on the Board of Trade. The iron-gray head was bent over the library table as Jack entered. A mass of papers was before Hotten. His clean-cut face was in calm repose and the firm lips closed tightly. Looking up as his secretary entered, the keen, gray eyes softened and a rare smile changed the face to one of winning kindness. Filmore could no more withstand that magnetic smile, even if he wanted to, than could many others who alternately cursed and praised the king of the wheat pit.

"Sit down, Jack," said Hotten, kindly yet with a quick, keen glance at the face of his secretary. "Now tell me what the trouble is."

"Nothing much, only—" stammered Filmore, greatly embarrassed now he was really facing a crisis.

"Only," repeated Hotten, "that you have been subjected to a most unusual and severe test, one that ninety-nine young men out of every hundred would have failed in. I know how strong was the temptation, when you saw me juggling wheat to get into the game. You might have made good, a worthy pupil, and then again you might have gone on the rocks. It was absolutely necessary for me to have a man as my secretary in whom I could place the utmost confidence, a man whose judgment and fidelity would not be clouded by a speculative interest in the market. You have met these requirements and have kept faith with me, coming to me like a man when you felt as if the lure of the ticker was getting into your blood."

"It was not only that—"

"Wait a moment," interrupted Hotten. "I wish to say a few things before you attempt an explanation. Many of my moves have seemed inexplicable to you. Every one of them was based, not on manipulation but upon legitimate conditions, governed by the law of supply and demand. There will be no cheap wheat in this country for a few years. One point many seem to have lost sight of is that the vast acreage of our own great West must be cut down. It is being found that the virgin soil supposed to be inexhaustible has its productive limitations, and that even this is wearing out. Where fifty to sixty bushels to the acre was common, twenty-five to thirty bushels is now considered good.

"What does this mean? It means a compulsory resting of the land and an intelligent fertilization through the plowing under of legumes. To use commercial fertilizer on so gigantic a scale would increase the cost of production to such an extent as to make wheat growing as unprofitable as a smaller yield to the acre. During the few years these immense fields are recuperating, the acreage must be reduced, and it will not be until after the rested fields begin to produce again, while the former active fields are resting, that there will be any appreciable increase in the yield. In the meantime you must remember consumption is increasing, due to the great growth of the country. No one who watches these things closely will go astray on the market. How much money have you in bank of your own?"

"Eight hundred dollars."

"Here is a check for five thousand dollars more. Put it all in December. Margin it. I will tell you when to sell."

"Mr. Hotten, I thank you, but I do not want to speculate in wheat—or anything else, I—"

"You what!" cried the operator in surprise. "Then, pray, why did you telegraph me in such terms as to lead me to believe you had succumbed to the lure of the ticker?"



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Same way in making cream separators. By confining our efforts to one line of manufacture, our big out-put and many years experience makes the

Monarch Cream Separator

the equal of other separators costing as high as $75.00 or $100.00. You save fully $25.00 by purchasing direct from one of the largest separator factories in the West.

ONLY $29.75 AND UP. You will be surprised how low the price is, by cutting out the middleman's profit and extra freight. Every dollar you pay goes to buy iron and steel in the separator. The rest stays in your own pocket, and our UNLIMITED GUARANTEE protects you for 20 years to come.

30 DAYS FREE TRIAL, and we pay all the freight if you don't find the Monarch skims closer, runs and washes easier, and is the best all around separator of any in your neighborhood.

EASY TERMS. Your cows can pay for it on the Monthly Payment Plan, if you prefer it.

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TAKE THE WOOL OFF THIS WAY Do it easily, quickly and without cutting or injuring sheep, by using this

STEWART No. 8 Shearing Machine



The extra wool secured, over and above what you get from shearing in the old way, will pay for the machine.

This machine has all enclosed, file hard gears, running in oil, and the famous Stewart shearing head.

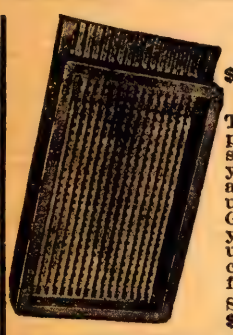
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FARM WANTED

Hundreds of readers of Up-to-Date Farming want to buy a farm. Have you one for sale? Advertise it in the Business Exchange for quick purchaser. Rate 6c a word.

"I had, provisionally," explained Filmore; "I wanted one stake. Just one, and then to quit."

"And what then?" Hotten regarded his secretary with eyes stern in expression. The crease between them deepened.

"I wantd to buy back the old farm, see my mother in her old place in the old house, watch the cows come up in the evening and dip their noses into the cool of the old mill-race; to feel physically tired with the delicious sensation of an honest day's work well done; to hear the call of the robin to his mate, the chatter of the squirrels, the music of 'Bob White,' and to close my eyes, soothed to sleep by the chorus of the katy-dids; to feel myself close to God and decency; to have in my nostrils the scent of new-mown hay instead of the stench of sweltering humanity as found in the cities. Not much of an ambition from a metropolitan standpoint, is it?" Flushed with his own earnestness, Jack smiled sheepishly as he looked into the eyes of the king of the wheat pit.

"Give me that check." Hotten's voice was gruff, and his face serious. He took the piece of paper and slowly tore it across, and across again and again, letting the minute pieces flutter to the floor regardless of where they lodged. He seemed to be thinking deeply, and oblivious to the presence of his secretary. Filmore's words carried out of the present to the past, and he saw himself a barefooted, bareheaded, freckled youngster dabbling his feet in the cool waters of the lake while the wily fish played around his hook. When he looked up there was a fleeting smile, rather sad, Filmore thought. Retracing his steps to the table, Hotten drew his check book to him.

"There," he said, as he handed the green slip to his secretary. "Buy the old farm, Jack. Would to God there were more like you. Good luck, boy—no, no, no thanks; and—Oh, damn it, good night."

Filmore watched the agitated departure from the room of his employer, like one in a dream. He felt he had been silly, and almost stupidly looked at the green check in his hand. It was for ten thousand dollars.

In less than five minutes the secretary's shaking fingers wrote a dispatch, not in a carefully prepared private cipher, but in bold, straggling characters, addressed to the old home town.

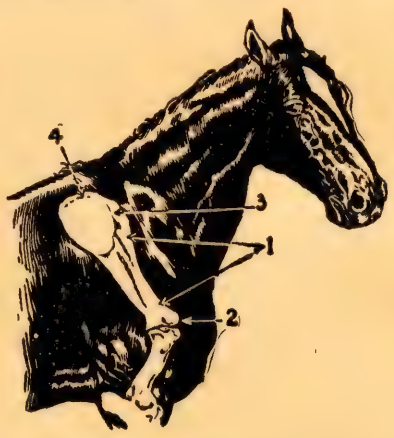
"Mother! Will be home to-morrow.
"Jack."

—*Paul Leake, in the Northwestern Miller.*

THE HORSE AND HIS COLLAR.

By C. D. Smead, Veterinary Advisor.

It is a known fact by those who have made the study of the anatomy of the horse a special study, that a large per cent of the shoulder lameness that horses are afflicted with is due to the use of collars that do not bring the bearing on the shoulder where it should be. And the result is, undue strain is brought to bear upon the ligaments (See No. 4 in illustration) which support the top of the scapula (shoulder blades), and, sooner or later, in case the horse is made to do steady pulling work, these ligaments become so affected as to make the horse stiff in his movements, and he becomes what some unskilled horsemen call chest-foundered, or has a high sweeny, the whole shoulder growing flat at the top of the shoulder baldes. It is an old saying, "stiff as a plow horse in the morning." But the question is, why should a horse be stiff the morning after doing a day's plowing. The answer is easy. The old English collar or any other collar constructed on the plan



of the English or hame collar (I care not whether it's made of leather, canvas, or steel) can't be made to bring the pressure wholly on the muscles that lie between the point of the shoulder and the projection on the shoulder blade. (See Nos. 1, 2 and 3 in illustration); and that is the only point where pressure of the collar can be made without inflicting pain and injury. This space is on horses as a rule only about eight inches; thus it has been, all the years that horses have been used in harness, until the invention of the Humane Horse Collar, we have been inflicting pain to our friend (the horse). We have been putting galls on him; we have sweenied him—and we have been making many a horse a balky horse, simply because he would not inflict pain on himself by working for us. I have personally given the Humane Collar a severe trial for three years on my own farm teams, and have no hesitation in recommending it as being superior to any device ever as yet being discovered to enable horses with all kinds of necks and shoulders to work with ease and freedom from sore necks and gall and shoulder lameness.

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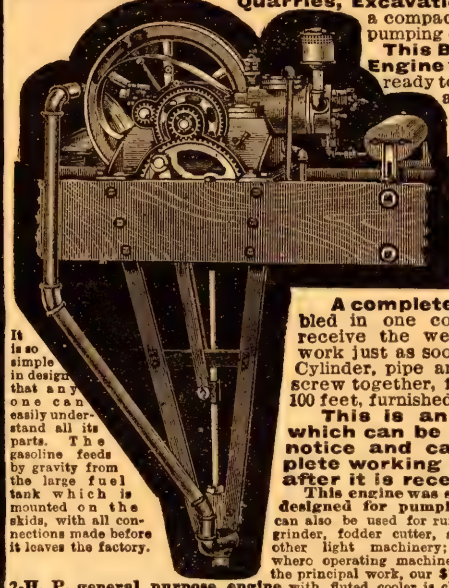
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This is the Engine for Pumping Large Quantities of Water for Watering Stock, Irrigating, Draining, Pumping out Mines, Quarries, Excavations or other places where a compact, powerful and low priced pumping outfit is wanted.

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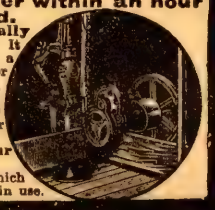
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Why have a blemished horse in your stable, when you can clean off any soft swelling with ABSORBINE? Of course it takes a little time and patience, with persistent treatment, but the ultimate results will more than compensate, and you have an animal free from the unsightly bunches which are so common. Ask your druggist for ABSORBINE. $2.00 a bottle, or sent direct upon receipt of price. W. F. Young, P. D. F., 102 Temple Street, Springfield, Mass

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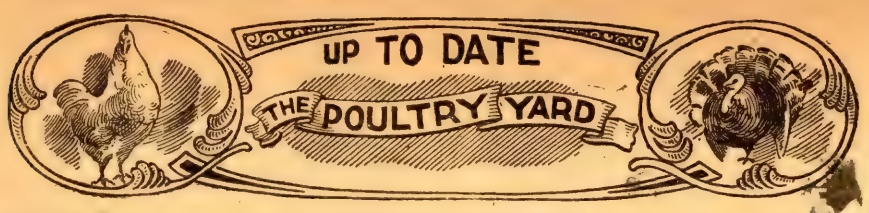
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They are as nearly ***perfect*** as money and years of expert experience can make them.

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These engines possess patented Ideal features found in ***no other engines***—features that you will appreciate—the booklet describes them.

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OUR readers want to know all about all the different breeds of poultry. The beautiful birds we illustrate in this column, are not of a new breed, but they are not so well known as the old and popular sorts.

Mr. H. Rhodes of Sherbody, Ohio, gives the following description of them in Poultry Topics, from which we also get the accompanying illustration:

The Mottled Anconas are not a new cross or breed but are natives of the island of Ancona, Italy. They belong



Single Comb Mottled Anconas

to the Mediterranean class in general appearance, the birds are mottled, being black with feathers tipped with white, V-shaped and small. There should be no lacing. The black of the plumage shades into green and when in the sunshine makes them a beautiful beetle green. In shape they resemble the Leghorn, but are larger and plumper. They are alert and wide-awake, carry themselves erect and are very proud birds. There are both single and rose comb varieties. The Ancona is active and hardy and does well in confinement, is a very light eater and have been for years considered as one of the best layers. They have been bred in England for nearly fifty years and these breeders say they eat less and lay more eggs per unit weight of food consumed than any other breed. Their eggs are large. Chicks are spry and mature rapidly.

Another writer in the same publication has this to say of Anconas:

I hear someone say in what way does the Ancona excell the Leghorn and other breeds. The answer will be: First, in egg production; second, in their ability to stand extreme cold and changeable weather; third, their persistency in lying during confinement, which is a great factor to anyone living in a city with a small lot. The Ancona as a table luxury is very hard to beat, their flesh is very tender, sweet and juicy. For an all around general utility bird you will have to look a long time to beat them.

THE INCUBATOR AND THE YOUNG CHICK BUSINESS

A study of the development of business is so interesting. Any aged person, almost any person of mature years, can think of many flourishing lines of business now that were not dreamed of as business only a very few years ago. Who, say five years ago, would have thought of hatching chicks as a business—hatching the chicks to sell at two or three days old? In fact, chicks are now sold and shipped at a day old. Such chicks may be shipped hundreds of miles without artificial heat or feed, and arrive at their destination in good condition, as ready for the brooder as if hatched in an adjoining room. A single firm in this country claims to have shipped last season 17,000 day-old chicks to various points in all parts of the country, with a loss of less than one per cent.

Of course, it is the incubator that makes this business possible; and many large poultry raisers prefer to buy the chicks already hatched to buying the eggs and cairng for the incubators during the period necessary to the hatching; and it takes little more care to attend to fifty or a hundred incubators than it does to care for three or four. Hence it is no wonder that the business has developed into an important one, and that it is growing very rapidly.

The shipment is quite simple. Of course they go by express so that they may have personal care; and an ordinary shoe box lined with flannel, and punctured so as to admit air, is a good box in which to ship not more than ten or a dozen—a usual hatch under a hen. But a regular shipping box is made of heavy corrugated paste board, divided into compartments holding two dozen chicks each. There is also in general use a small wooden box, eleven inches wide, fifteen inches long and five inches deep that carries fifty chicks.

Of course care must be exercised in transferring the chicks from the incubator to the shipping boxes. The chicks should have time to become perfectly dry, and to develop full young chick vigor; and none but the strongest and most vigorous chicks should be shipped, and they must be protected from sudden changes of temperature and from drafts of cold air. They need not be fed much if at all, if they are to be on the road not more than 24 or 36 hours.



BUG CATCHERS AND MONEY FETCHERS

CARE OF YOUNG CHICKS

THE hatching process is peculiar. The young fowl is rigidly confined within circumscribed limits, and it cannot assume its normal form or even develop its vital organs until it has burst the shell of the egg. Nature, however, provides for the change. A portion of the most nutritive part of the egg is absorbed just before hatching, and development thereafter is very rapid. During that interesting period no artificial feed is necessary, and there must be some opportunity for exercise, but there must be no xeposure to cold. It is often the case that the hen knows these things better than her mistress, for if left alone she will not leave her nest until the next day after hatching. The most successful poultry raiser follows nature as nearly as possible.

MIGHTY LITTLE CAPITAL

WE often hear people talking how gladly they would go into business, and how much they knew they could make, if they only had the capital.

Mrs. Sam Bollinger of Holden, Missouri, is reported to have commenced business April 1, 1903. She had eleven hens and four turkeys, worth at that time $12.50. That was her capital. For the balance of the year 1903, her income from these fowls was $124.15. For the following years her income was: 1904, $161.70; 1905, $258.55; 1906, $279.40; 1907, $296.75; 1908, $164.11. Up to October 6, 1909, it was $119.52; making a total for this period of $1,404.18. And these figures do not cover what was used in the family; only what was sold. Do not stay out of business for lack of capital.

ONCE A SHEEP AND TWICE A LAMB

Mary had a little lamb,
But thus it wouldn't keep;
A year had scarcely passed away
Till it was a big sheep.

A butcher got it then you know,
Who knew well how to sham,
And next day on his counter
It was selling out as lamb.

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When the season opened we had nearly 50,000 incubators in our warehouse, ready to fill orders. They are all gone but a few, and to clear them out this month we make this offer. We will send you **a brooder at actual half price** if you order a

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Your Name Will Get $2 Eggs

For 50 Cents Per Sitting

I will sell 2 sittings of full blood Single Comb Brown or White Leghorn Eggs for $1 for the 2 sittings. Not less than 2 sittings sold. Eggs by the 100, $5. Full blood White or Barred Plymouth Rock or Rhode Island Reds or Silver or White Wyandotte or W. Orpington or Rose Comb Brown Leghorn or Single Comb Black Minorca Eggs, $1 per sitting; by the 100, $7. Large Bronze or White Holland Turkey Eggs, $3 for 10 Eggs. Large White Pekin Duck Eggs, $1 for 10 Eggs.

100 egg Old Trusty Incubator, and 100 Chick Brooder, delivered at your R. R. station, both for $14 east of the Rocky Mountains. This is a rare chance to get a start of extra fine stock and a good Incubator.

Send Post Office order on St. Louis and have your orders booked early.

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125 Egg Incubator and Brooder Both For $10

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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

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A WORD OF THANKS

Many thanks to the many friends of this Department who have worked so hard to get that extra page for me. DID YOU NOTICE THE CIRCULATION NUMBER AT TOP OF FRONT PAGE OF THE LAST ISSUE, 140,000 COPIES? A little pull on the part of my friends, before the garden-work begins to rush them, will make it the even 200,000—and then the GREATER DEPARTMENT. Will you send in at once your list of ten subscribers at 50c. for two years, each? Will you? Can you feel satisfied while there is a person in your section who is not a reader of this Department, and a non-subscriber to this paper?

Sincerely,
SAMUEL ARMSTRONG HAMILTON,
Garden Editor

PUBLICATIONS RECEIVED

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THE PLANTING OF SEEDS

There is an art in properly plantnig anything. We all know of the persons who say: "Nothing that I plant will grow," and there is a reason for it—usually they know nothing of the art of planting, and the things which they plant suffer accordingly. "Planting" something is not merely the sticking of it in the ground, but covers its successful handling until it is an independent living plant.

The planting of trees and shrubs is analagous, but the planting of seeds and soft-tossued plants is different. I am going to tell you of some of the things I have learned about planting in my many years of experience.

Cabbage.

There are many seeds which are sown in the open ground, and on the proper planting of them depends their future when grown into plants. One of the first of these is the cabbage. There are almost as many methods of planting these seeds as there are planters. The soil should be as fine as it is possible to make it, and moderately rich. Few persons are aware of the influence, on the after life of the plant, of the time when it is in the seed-bed. Habits started then will never be overcome. One of these is a too rapid growth of top, caused largely by too thick planting of the seed, and thinning out not quick enough. What is desired in a cabbage at the early period of its growth is stockiness, and breadth of stem—a spindly cabbage then means a poor head later on. Another error in planting this seed, as well as others of a similar nature is too deep planting. This applies particularly to the tobacco plant, the seed of which is often planted too deep. There is a mechanical reason against too deep planting of seeds which are small, and which in addition have a weak-structured germ. They are not able to push up comparatively long distances against the weight of the soil over them.

Such seeds should be scattered over the soil, thin enough that when they come up they will stand not less than an inch apart, which distance should be increased as they grow so that all have plenty of room. This makes finer cabbage than when the seed is sown on cloddy soil, raked in under the clods, an inch deep. After being sown as above, firm the top of the bed with a board, and soak the bed with the extra fine nozzle. An extra precaution used in some of the warmer localities is to shade the seed-beds with cheesecloth, until the young plants get established. It can be taken off over night, and put on when the sun gets too warm during the day.

Peas.

There are some larger seeds with which some people have poor success, one of which is the garden pea. There is also a mechanical reason for this. The germ of the pea is very weak, and is often planted too deep. I was called to see the garden of a friend whose garden-peas apparently failed to germinate more than ten per cent. I have had so much experience with the non-germination of the sweet-pea that I suspected the cause, and dug down in the row and found that the peas were very hard shelled and he had planted them too deep. The effort of the germ to liberate itself from the shell had weakened it, and when it got out it could not pierce the three inches of soil above it, and had merely grown around in an irregular circle where it lay. Some of them had pierced to the under-side of the crust which had formed on top of the soil, but could not get through, and had circled there. Plant garden-peas just beneath the surface, and firm the top. If the seed is hard and flinty, soak it well before planting.

Beans.

Theoretically speaking the bean should be placed by hand with the "eye" down, when planting, as it is from this eye that the roots project, and the embyro leaves come out from the opposite side. In practice, if the soil is fine and loose the bean will throw down roots, take a firm grip of the soil and turn itself, so that it can project through the soil to the open air, but if the soil be a stiff clay, deficient in humus, and the begantes tightly packed, it cannot turn (if it be necessary) and the result is what is known as "seed-rot" i. e., it rots in the soil and does not come up. This is the reason that beans cannot be commercially grown in some locations—because they cannot meet the demands of field culture, and take care of themselves. In the home garden it pays to

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Potatoes.

I have been keeping track during the past season of the epidemic of "potato-scab" which has infected some of the long-time potato-growing sections, and find that this disease is widespread, due almost entirely to the carelessness of the growers in not protecting their seed when planting. Prof. Surface, state zoologist of Pennsylvania is authority for the statement that this disease could be entirely eradicated if the seed-potatoes were all dipped for a few seasons in a solution made of a half-pint of FORMALIN to three gallons of water, allowing the cut potatoes to soak in this solution not less than two hours.

Owing to the efforts of Prof. Surface the pota-scab has been kept in check in Pennsylvania, but much of the seed imported from other states is infected. Do not plant potatoes without dipping them in this formalin solution.

A New Potato Disease.

The "wart disease" is a new enemy of the potato crop which is attracting great attention in Europe, and which is liable to be introduced into the United Staes at any time. It affects the tubers, forming large rough unsightly warts, and, in severe attacks, completely destroys the crop. Once the fungus gets into the soil, it is impossible to grow a crop of potatoes on the land for several years.

The fungus which causes this disease was discovered in 1896 in potatoes grown in Hungary. It is now prevalent in many places in England and there is a great danger that it may spread to Ireland. It is also found in Germany and some other European countries. It has been carried to Newfoundland, but has not yet appeared in the United States.

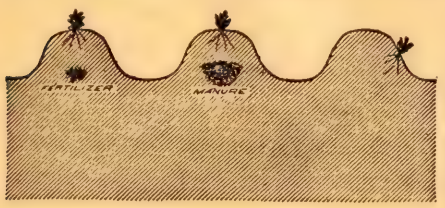
It is spread by using affected potatoes for seed, and, as this country imports considerable quantities of potatoes every year, there is danger that it may be introduced.

The U. S. Department of Agriculture has recently issued a circular (for free distribution) giving a brief account of this disease.

Hill Method.

The Agricultural Department at Washington, and the various experiment stations have made a large number of experiments with vegetable plants, of the kinds generally grown in our American farm-gardens, in order to determine some mooted questions, and on a search for new things for the benefit of the farmer and gardener. One of the most important and interesting were those which demonstrated that the hill system of growing certain crops made for earliness. As much as a week has been gained over the old method of flat planting. This applies especially to cabbage, cauliflower, beets, carrots, and similar crops.

The plan is to work the soil fine, lay six inches of rich stable manure along in rows, and with a "scraper" or "ridger" throw as much soil over it, making alternate ridges and furrows. This insures good drainage for the

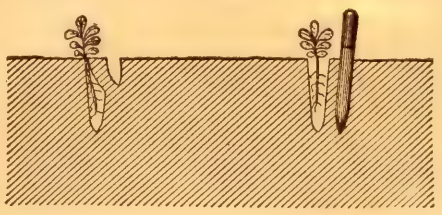


Cross section of land ridged up for early crops.

roots, which makes for earliness. When setting the plants, go along the rows, which should run East and West, and with a hoe cut out a slice two inches deep from the south side of the row, at an angle of forty-five degrees where the plant is to be, and in this "cut" the plant is set. This also has a tendency to hasten the maturity of the crop, as greater warmth is secured.

Exclude Air.

While on the subject of the setting of plants, let me say that most of the failures are due to the fact that it is no generally understood that the soil must be packed tightly about the roots. If there are air spaces, the roots die



Cross section of land illustrating the use of the dibble in setting plants. Improperly set plant on left.

from drying out. There are many systems of plant setting, and many implements used, but the experience of the best gardeners is that nothing has been invented for this purpose which is as good as the hand "dibble."

Most persons when setting plants, make a hole, set therein the plant, and with the two hands press the soil together about the crown. This is likely to leave an air-space about the roots, but if the dibble is used, after the plant is inserted in the hole it is inserted close to it and pressed closely against the plant. This packs the soil against and among the roots, as the even pressure spreads them out in a half-circular position. Few plants fail to live when set under proper conditions with a dibble.

Root Maggot.

In a recent interview with Prof. Surface, I asked him what were the results of his experiments covering several seasons for the prevention of "root-maggot" of cabbage, which is the bane of the commercial cabbage-grower. He stated that prevention was the only thing. He had accomplished this by using a thin ten inch tar-paper disk, set around the plants close to the ground when planting. These disks are cheap by the thousand, and are quickly applied, and prevent the fly from laying her eggs in the soil at the root of the cabbage stalk. She will lay them nowhere else. He has tried them in large commercial cabbage fields, without the loss of a plant when protected by the disks. The flies lay the eggs in May, and to be effective the disks should be put on as soon as the plants are set. They have a hole punched in the center, from which a slit extends to the edge. A little soil is put on them to hold them in place.



Paper disk to prevent the female of the cabbage "root-maggot" from laying her eggs close to the plant.

The Early Market.

Those who grow for a market which buys early truck at good prices should make provision for the early melons, cucumbers, and beans, which do not transplant well from a seed-bed. Plant some of these in quart berry-boxes filled with rich, loamy, earth, and keep them in the green house, or a warm room, and they should be well on the road to blooming by the time it is safe to set them out in the open. They can be dumped out of the baskets without disturbing the roots, and grow on undisturbed.

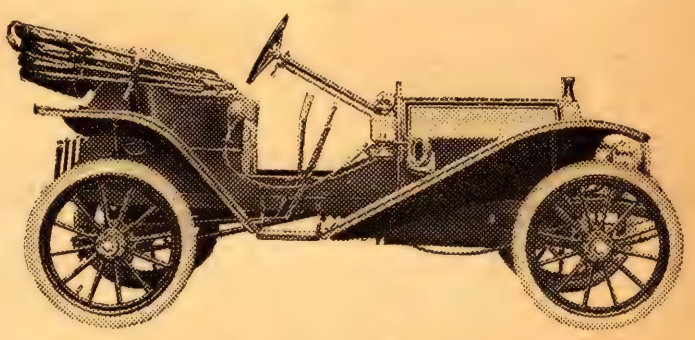
Lettuce.

Much of the non-success with early lettuce lies in the fact that shade is not given after the plants are set until they are established. When it is not convenient to shade by cheese-cloth set on frames, boards can be edged up, slantingly, between the sun and the plants, by driving in stakes. If the lettuce plants are allowed to wilt they will check, delaying the ripening of the heads.



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Transplanting.

There is much to be gained by twice-transplanting of certain plants, especially the celery and tomato. The former depends on its root growth for a large crown, and only re-transplanting will give this result. The first transplanting into flats or well-prepared beds should be done as soon as the plants are large enough to be handled.

Cut back the foliage, and the young roots, one-third, and when the plants are six inches high transplant them again, and by the time they are to be set in the permanent rows they should have a fine body of roots, and grow a large crown, and consequently, a large heart. There is much celery on the market which has fine long thick stems, but very little heart, which puts it in the second grade.



Celery plants, showing effect of transplanting on root system.

The aim with the tomato plants should be to get them separated one from the other as soon as possible after they get their third leaf, as, if crowded they will grow tall and spindling, but if given plenty of room they will grow short and stocky.

In the handling of plants when transplanting or setting out, the most important thing to be watched is that the roots are not exposed to the air sufficiently long to dry them out, or disaster to the plant will follow. The practice of dropping a hundred plants besides the holes, or where the holes are intended to be made, and then retracing and setting the plants is essentially wrong. If plants are being grown in flats, take them to the garden and lift them out as they are set in the rows, or have one person do so and another set them at once. The fibrous roots of young plants are very delicate, and, if there be any wind, they will dry out very quickly.

Keep in mind that a plant is a living entity and must be treated accordingly.

THE ORCHARD

In some sections the spraying will be about over by the time this appears in print, while in others it will be in full blast. I hope that all my readers will be very thorough in their work. I have lately had a unique experience which has taught me many things which I will give from time to time to my readers. I had the privilege of spending a day, in the first week of March, on the PENNSYLVANIA STATE ORCHARD TRAIN, which was under the technical direction of Prof. H. A. Surface, state zoologist of Pennsylvania, and which is furnished free by the Pennsylvania Railroad for the benefit of the farmers along its lines.

The "Bug Special"

This train is popularly known as the "BUG SPECIAL," and the name is very appropriate. It consisted of a large baggage-car, in which were displayed all kinds of spraying machinery and orchard implements, from the small hand-pump to the large-size gasolene-sprayer, as well as all the accessories, such as mixing-tanks, strainers, and everything that could be needed in an orchard of any size, from ten to fifty thousand trees. There were two large coaches, each of which was specially equipped to be used as a lecture hall.

Large crowds of farmers and gardeners met the train at every advertised stop, and quickly filled the cars. Prof. Surface would deliver the first lecture, generally about forty minutes, in which he would treat of the spraying of trees for San Jose scale and other tree pests, and call for questions, and the way they would be fired at him was a wonder. Most of them were along the line of the probable profit to be gained by cleaning up old orchards, which Prof. Surface would answer, and then the farmers were invited to hand up their specimens of supposedly affected trees which would be examined under a powerful microscope by an assistant, the kind of infection named, and the remedy given.

The next in order was two fifteen minute lectures by practical Pennsylvania fruit-growers, men in the business. One is a commercial grower, while the other was simply a farmer who has cleaned his old pest-ridden orchard under Prof. Surface's direction. They told their stories in their own ways, and added the necessary support to the professor's more scientific talks. There are plenty of fruit growers who take little stock in scientific orchard management, but when a plain farmer, with no technical knowledge tells them that he took an orchard under Prof. Surface's instructions, and made it pay a net return that savors of the Rogue River Valley, they are likely to be convinced that there is something in it.

Does It Pay?

One of the most persistent questions, at every stop, was; "Does it pay the small grower to spray thoroughly; or only those having from five acres up?"

The answer to this was given by a young man who is a student under Prof. Surface. His uncle four years ago had an orchard of peach trees which were so badly infested with scale that he was ready to destroy them root and branch, but was prevailed upon to write the professor first. The answer was to cut the trees back to twelve inch spurs, and coat the stumps with lime-sulphur solution, which he did. After that he followed a complete coarse of spraying, and in two years had a bumper crop of the very finest peaches on his two-acre orchard, and now has forty acres.

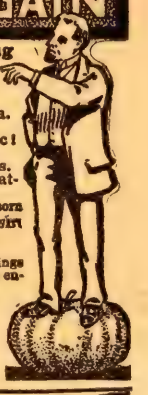
After the lectures were finished, the entire crowd adjourned to the outside. In the meantime, the hose had been attached to one of the power sprayers in the baggage car, and run over to the nearest tree or clump of bushes and an object lesson in spraying was given, showing how to cover a tree entirely, so that not a single scale could escape. Before the train left every one was given a set of orchard primers, prepared by Prof. Surface: "Pruning," "Spraying," "Planting," "Cultivation," which have been printed by the railroad company for free distribution.

The railroad company expects to get its return for the time effort and money expended in the increased fruit shipments over its lines, when the hundreds of new orchards now being planted, and the old ones that are restored, come into bearing.

Prof. Surface has arranged to have a demonstration orchard in every one of the sixty-seven counties of Pennsylvania, which will be handled by the owners under the direction of some of the professor's assistants. Those orchards will be given the very latest scientific handling, and it is intended to cinvince the fruit men of the state, by showing them the fruit in the fall, that the only profitable way to grow fruit is by scientific methods—which really are simple methods.

I hope that every fruit-growing state in the Union will equip an orchard train next winter to teach the simple truths of right fruit growing to those who cannot leave the farms to attend the agricultural colleges and experiment stations. It will be time and money well-spent. There is no danger of an over-production of good. The eating of fruit has fallen to a low stage owing to the inferior fruit, especially of apples, which has been put on the market during the past eight years. But, when fruit, free from the ravages of scale, coddling-moth, and curculio, is plentiful, and offered at a fair price, the demand will increase by leaps and bounds, and it will be better for the people who eat it than a meat diet.

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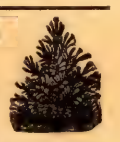
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THINK AND STAY YOUNG

The active thinker does not grow old science is now trying to teach mankind. When in a passive condition, with no thought or mental stimulation, the walls of the body cells are impermeable to solutions from within and without. In that condition it tends to crystalize within, and no nutrition can enter from without. Action of the will, or thought stimulation, causes the membrane to become permeable, and then the waste of the cell is discharged and sustaining material is admitted. This double activity induced by healthy thinking, modern scientists assert, keeps the body machine in working order and the arteries in normal condition.

In middle life, it is claimed, thinkinug is likely to become settled down into fixed channels. A regular routine is followed, new fields of thought art seldom entered, and a kind of mental stagnation ensues. The cell waste accumulates, and the arteries take on the characteristics of age. Hence to retard the progress of old age there should be physical exercise to keep the system normal, and vigorous mental exercise, helpful, healthy thought activity, to keep up the endosmos and exosmos of the cells, that the waste may not become crystalized in them to the exclusion of the sustaining and rebuilding fluids.

The history of the race shows that the best thinkers are the longest livers so far as the natural encroachments of old age are concerned.

READING IN THE FARM HOME

As a rule those who live on the farm have active minds. The activity of their bodies provides every element of mental activity, and the demand for its gratification is often insistant. And so important is the cultivation of the mind that the demand should be generously supplied.

What is there to read in the home on the farm? There is the Bible, of course, and that is ever old and ever new. And there is Up-to-Date Farming, which is fearlessly taking up new lines of farm thought and activity, and seeking to bring the home on the farm to a level with the proudest home in the nation, and those who occupy it to a business plane not a whit below those of other callings. And we are succeeding. The bright letters we receive from old and young prove that, and we feel encouraged. But we are not yet satisfied. There should be books in the home—entertaining, educational, uplifting and ennobling books, such as the aspiring minds of progressive agriculture thirsts for. Almost everything on the farm, when rightly understood, points upward; and it is the one calling that is just now emerging from an atmosphere of enforced dependence upon others to an atmosphere where its business will be its own as much as is the business of the merchant, the lawyer, or other professional.

Stimulate a love of reading on the farm, and cultivate profound and independent thinking.

A new thing in padlocks is that being advertised by the Nat'l. Mfg. & Lock Co., 215 W. Huron St., Chicago, Ill. It is what they call "Combination Padlocks." Instead of a lock that can be easily "picked" with a hair pin or wire nail, as the average lock is, and necessitating a string of keys, liable to be lost, the "Katz" combination lock works on the same principle as an iron safe. Just turn the knob, and the lock is open. Anyone not knowing the combination is completely barred, and the enclosure is as safe as locks can make it. Every farmer should investigate this lock. Write to the manufacturers for circulars.

WITH A HANDSOMER MAN

This struggle to live up to other people's ideals instead of your own is maddening. William's good—too awfully good, most—but, oh, I wish he were not quite so much of a minister!"

Belinda Norton wiped the traces of tears from her woe-begone little face and listlessly took up the week's mending .

When she became engaged to William it had given her a little thrill of exaltation not unmixed with exultation to be chosen by a man with such high ideals and such an earnest purpose in life.

And when, as his wife, she had come to this little provincial town, it was very flattering to be at the head of everything and receive deference from silver-haired people.

But the novelty was wearing off and she sighed for the pomps and vanities of her former life.

Her yearning for excitement had been fed by the decorating of the town wtih flamboy- "Greatest Show on Earth."

"Mayn't we—well, I suppose you couldn't prove."

"So you think it shows depravity to want to go to a circus and do you think it would hurt me to go?" she demanded.

"No, Belinda, but that isn't the point. You see these people—our people, you know, happy? Isn't he"—his voice growing hard—

"Oh, yes. He thinks he is, but he wants me to be good, too, and I can't. I feel like doing something dreadful. I was just wondering if I couldn't run away, and I looked up and saw you, and it carried me back to the old days, and I just couldn't help crying, that's all. I am so glad to see you!"

"You must tell me," he said firmly, sitting down beside her and taking her hand, "what the trouble is."

"Oh, Jack, I haven't been anywhere except church and lectures and circles since I came to Oxley, and there's a circus here today, and William says I mustn't go!"

Jack turned away to conceal a smile. What a little girl she still was, after all.

"Never mind, Linda," he said, dropping into the old-time shortening of her name. "The circus was unloading as I came by. It's a punk show. One toothless lion, a couple of dejected camels and a blind elephant."

"I don't care!" said Belinda miserably. "They'd look good to me, better than chickens and cows."

"See here, Belinda, I only dropped off here in passing through. Go back with me to the city for a day and a night and we will have a good time."

"Oh, Jack," her eyes growing big and bright, "I wish I dared! I might slip away for the day, but the night—"

"There's a league baseball game on this afternoon, and a circus tonight. Then we'll have a little supper—the folks are all away. You can—"

"I am going," she said resolutely. I'll leave a note for William."

"Did you tell him where you were going and whom you were going with?" he asked on the way to the station.

"No; I didn't. I said I was going away with a handsomer man, and I might be back tomorrow."

"Oh, I say, Belinda, you rubbed it in!"

"I don't care! I want him to feel as unhappy as I did; to make him feel that I don't care if the flock know I went to a circus."

While she was gazing out of the window and Jack was in the smoker, she overheard a man in the seat behind her saying to his companion:

"Yes; I've been visiting my brother Ezra down at Oxley for a day. The little town's grown. They've got a big new school and a church without debt. Think of that once! It's packed to the door. Ezra says it's through the new minister. I met him today. He's just a prince of a fellow!"

Belinda's heart leaped.

"And Ezra says he's got a wife to match. That though she's very young, she's a good helpmate and interested in the church and the people. She was a city girl, too."

"Must be awful for her to live at Oxley."

"Ezra says they appreciate that and they are going to show her they do some day."

When Jack came in from the smoker he encountered an entirely different looking Belinda.

"Jack, at the next station we meet a train going back to Oxley. I am going to take it."

"Why, Linda?"

"Don't say a word to me, Jack, I am ashamed of myself for coming this far."

Jack knew of old what it meant when her mouth became a straight line, so he made no further remonstrance.

When Belinda walked into the house she saw her husband sitting by the window, her note spread open before him. His manner was one fo deep dejection.

"I—I didn't go far—William—only to the second station," she said meekly.

His eyes brightened.

"I'm glad you got back in time for the first performance of the circus. All through my visit with the deacon I was thinking of your disappointment and how little pleasure you could have here. Finally the deacon asked me what was on my mind. When I told him, he said, 'Why, let the child go. She can go with us.'

"I told him I had hesitated because I thought the people here might not approve, and he said they were all going and they'd feel much more comfortable if they had the sanction of the preacher in the attendance of his wife. So I got tickets, dear, and we will both go.

"And, dear, since I have been sitting here, I see that I have given you all work and no play, and I am not going to do so any more. I think with the increase in my salary we can afford a horse and phaeton."

"Oh, William!" and then with a sidelong glance, "did you guess who the handsomer man was?"

"Of course, dear. You told me once that there was only one man you know that was handsomer than I, and that was your brother Jack."—Bertha Orville in Chicago Ledger.

THE STRANGE PART OF IT

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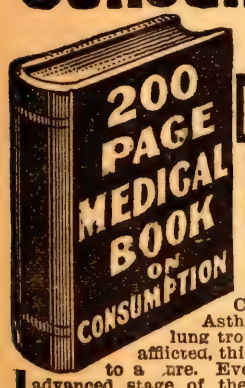
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TO COOK BEEF

General discussion declares that beef is beef these days, and we suppose that justifies giving a piece of beef a little more consideration than when beef was too common an article to be thought much about. With beef as with other meats, much depends upon the cooking. We are not a kitchen expert, but we find the following cooking hints going the rounds of the press, and we give them to our readers:

A prime piece of meat will not only carry an outside covering of fat, but all through the lean meat will be small specks of fat, giving it a marbled appearance. With a little experience anyone can tell good meat from poor.

In cooking beef remember that the sap or juice of the beef is one of the most important parts of the meat. It should be so cooked as to retain these juices. This is best done, in the case of a steak, by searing on the outside. In broiling a steak, place close to the fire at first, turning frequently until the outside is seared brown. Then so place it that it can cook slowly until done. Remember that rare meat does not mean raw meat. Meat cooked rare has a bright pink appearance. If not cooked it will have a bluish purple color. When beef is rare it is cooked in its own sap.

Beef should not be fried in grease. For convenience it may be cooked upon a hot frying pan or skillet. In this case use no grease and turn the steak over two or three times to sear the outside and retain the sap. Never cook beef in boiling grease.

In roasting beef have the oven very hot before putting it in. This will sear the outside and seal in the sap. The roast should be turned a time or two at the beginning and then lower the temperature of the oven slightly and let it roast until done to the point desired.

Pot roast should be parboiled and finished with very little water, and kept covered. A good plan is to first boil tender, then take off the water and finish by roasting in the oven.

Do not have the bone cut out of a roast. It cooks better and is sweeter with the bone left in. The bone also helps to hold the sap in the meat.

Disabuse your mind of the idea that it is not fashionable to place the cheaper cuts of beef on your table. The meat bills of the highest salaried chefs of the wealthiest families are much smaller than the average bill of the average American cook.

BILL'S BOY

Jake Leach was an all but illiterate neargenius in the completely finished town of Charlotteville, Tennessee. A lawyer by profession, he had the rare gift of eloquence, combined with wonderful shrewdness and that instinctive sixth sense that teaches some men how to sway other men.

A young man in that community, several years ago, was accused of murder. Jake heard of it, and was informed that he would be expected to defend the youth in court. If Jake exerted himself to ascertain the details of evidence in the case, nobody saw him do it, and there were those who murmured that the old man was taking only a slight and perfunctory interest in the welfare of an old comrade's son. The old man seemed to be doing more sitting around and dreaming than anything else.

But the day of the trial came. Few of the law's delays had intervened; for the young man was poor. Toward the close of the trial day, during which the old man had listened but apparently had not taken a deep interest in technicalities and fine law points, the time came for Jake to speak. He rose deliberately, eyes half-closed as if in a reminiscent mood, and began slowly in a wonderful mellow southern voice of unlimited sympathetic and carrying quality.

"Yo' Honah an' gentlemen of the jury, I well remember the fu'st time I eveh saw the man now befo' you as the defendant. I was walkin' along the street an' I heard fiddlin.' I stopped an' listened. Yo' all know I was always right fond of music. I follows the sound to the do' of the sto', an' I stahted in. Jest as I put my foot ovah the do' sill, a voice called:

"'Ain't that yo,' Jake Leach?

"I looked an' saw that the man was blin,' an' I said, 'Yes, it's Jake Leach; but how did you know me, an' you stone blin'?' an' I nevah forgot yo' step. As my eyesight has gone, my eahs is a heap quickeh

"An' he says, 'Jake,' he says, 'I slep' in the leaves with yo,' in the Confed-ate ahmy, than they used to be, an' I've neveh fo'-got yo' step."

"Boys, gentlemen of the jury, that was ol' Bill, the fatheh of this boy heah that we're goin' to hang because he's accused o' murder. Me an Bill set theer an' talked, an 'he fiddled an' this little boy set beside his pappy an' looked up at him proud, an' his pappy looked to'ads him, proud too. His pappy loved this boy. We set an' we talked oveh the ol' wah days an' nights—yo' know. Some o' the men on this jury has slep' in the leaves with Bill, same as me. You all know he was as squah a comrade an' as brave a man as eveh wo' the gray or any othah coloh, an' as good a shot as eveh toted a caybyne. But Bill's in heaven now, boys, if squah comrades go thah. He's gone away from that little boy that loved his pappy, an' he's a-lookin' down with 'is new eyesight on us ol' comrades that's slep' in the leaves an' shared everything with 'im—lookin' down on us a-gettin' ready fo' to hang that little boy o' his'n. Yes, comrades, we're goin' to hang Bill's boy. He's been arrested an' he's accused of killin' somebody. We're a-goin' to hang him while ol' Comrade Bill looks down on us an' sees what we ah doin'—

"No!" suddenly shouted Jake, his eyes blazing and his clenched fist uplifted, while hope lit up his face. "No!" We 'ah not a-goin' to hang Bill's boy! I cain't believe they's twelve men anywheah, specially if any of 'em evah slep' in the leaves with Bill, that will find it in theah hearts to hang Bill's boy while his ol' pappy that was all wrop up in 'im looks down an' sees us. We cain't! W'y, look—" And then Jake began a review of the evidence.

The review of the evidence was not necessary, however. Already, the jurymen were half-standing in their places, tears running down their cheeks and murmured protests on their lips against hanging Bill's boy. And the jury acquitted him unanimously without—dare we believe?—giving due consideration even to the strong probability of innocence that the evidence actually brought out.—*Strickland Gillilan* in Sunday Magazine.

Three Days' Drink Cure

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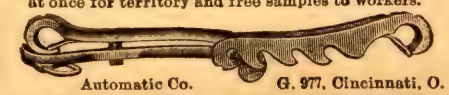
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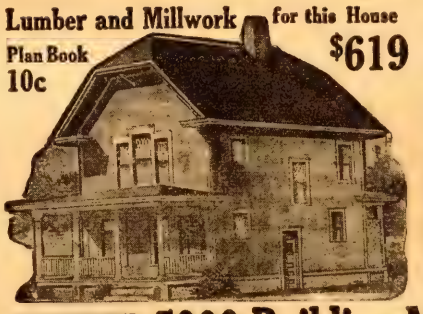
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CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

Lands alive! Everybody wants to be a Cadet of Equity! Letters are pouring in almost by the basketful. We are often asked, who are the Cadets of Equity? They are young people all over the country who have talent and courage enough to write a letter, and who read and like UP-TO-DATE FARMING, believe in the true doctrine of Equity, and are progressive in spirit. They are the people who will do things a few years hence. But there is no room for me to talk now; I must let the Cadets do it:

Dear Cadets: I have been a reader of Up-to-Date Farming for six months, and I think it a fine paper. I am 18 years old, have blue eyes and brown hair, and weigh 127 pounds. I live in Oregon, and I think this a nice place to live in. I have six brothers and one sister who is a music teacher.—Margaret Gibbon, Lafayette, Oregon.

Dear Cadets: I am a little girl 11 years old. I live on a farm and I like farm life. My father takes Up-to-Date, and I enjoy reading the Cadets' letters. I go to school about three quarters of a mile. My teacher is Mr. Charles Hutton. I have just been reading the letters, and I want to join the Cadets. I have 9 brothers and one sister, who is 13 years old. I am in the fifth reader. I would like to get a letter from some of the Cadets. I love to read books and papers. We have a flower garden in the summer, and I love the flowers. I would like some one to write describing the Rocky Mountains. We are learning dialogues and speeches for the last day of school.—Lenora Weirich, Leslie, Mo.

Dear Cadets: Please can I join your band? I am a girl 15 years old, and I live on a farm and love farm life. I go to school in Leavenworth, two miles from my home. I love to go to school, but my teacher is sick, and we have vacation this week. I have three brothers, 24, 23 and 18 years old, and I live with my mother. I take a paper and my mother takes one. I take Up-to-Date.—Martha Edith Brown, Sleepy Eye, Minn.

Dear Cadets: I am a boy 14 years old, and I live on a farm of 160 acres in Knox county, Mo. The country around here is very beautiful. It is 777 feet above sea level. A sand hill northeast of my home is 25 feet higher. Most of the soil is rich around here, but along the Fabius river some of it overflows. The chief crops are corn, timothy, oats, rye, and some wheat. A great many hogs and cattle are raised here. I once had a Mexican parrot named Jacko. When he was hungry he would turn a sumerset for a cracker. He would call his name, whistle to the dog, call the chickens and kittens, and he would sometimes tell me to hurry up. This parrot was 17 years old, and he died last November. He was lots of company for me. He could say almost any common word.

I am a great lover of music, and play the violin and French harp. My favorite songs are Home, Sweet Home, Red Wing, and In the Shade of the Old Apple Tree. I would rather the first one was Farm, Sweet Farm. I was born and raised on a farm, and I am going to stay with it. There is nothing like a stayer. A stayer who subscribes for Up-to-Date will be a subscriber all his life, and that is the thing for all farmers to do. There are not many dumpers here; all are pretty good farmers, and nearly all read Up-to-Date. It has been printing my name at the top of every page, and I like it. I want you Cadet boys all to be good farmers, and you Cadet girls to be farmers' wives.—Date Grover, Baring, Mo.

Dear Cadets: I have been reading Up-to-Date about two years, and I think it can't be beat. I am a North Dakota girl. We raise wheat, oats and flax, as well as vegetables. Wild fruit grows here—strawberries, gooseberries, June berries and plums. I live near the Mouse river, close to a bridge, and I go boat riding in summer. I walk two and a half miles in summer to school to Miss Mary Bohan. I am 12 years old, and have four brothers and four sisters. My father came here in 1885, when there was no railroad nearer than 150 miles. He was a rancher then, and we have not been farming but about 5 years. We like farming. We take several farm papers, but we think Up-to-Date is the best.—Esther M. Swenson. (did not give postoffice).

Dear Cadets: I am a boy 11 years old. I go to school to Peerman's Shop, to Miss Pettie Burton. I enjoyed reading the letters in the paper today, and I want to be a Cadet. I have three pet rabbits that I feed every day. In the summer I work in the fields of tobacco and corn. My father has a large orchard, and I enjoy gathering the fruit. Up-to-Date is a grand paper I think. —Wiley Trent, Lynch Station, Va.

Here comes a Cadet from Canada. See how they like Up-to-Date up there:

Dear Cadets: I attend school here, and I think country schools have the nicest teachers. I saw my teacher fixing a picture with red book binding—*paste-patout*, they call it—and so I made a picture just like it, and it is very nice. I live in the outskirts of the town of Welland, but where I live it is called Crowland, I suppose because there are so many big black crows here. *When I come home from the post office everybody says, Give me Up-to-Date.* —Eva Macdonald, Welland, Ontario, Canada.

You can now get all the addresses you want, Eva, and you are sure a Cadet of Equity. But I must go on with the letters; I have no room to talk myself:

Dear Cadets: I am 11 years old and I live in Louisiana. I have a very pretty home, and we have a big cow that sure gives us sweet milk. We have a lot of chickens. I am going to private school only a few steps from home. Mrs. J. E. Gravvis is my teacher. I have gone three years and have scarcely missed a day to the year. I wish my little northern friends could see the sweet sugar cane growing in Louisiana. We raise peaches and very fine pears. I want to be a Cadet.—Nathalic Dominique, Hohen Solms, La.

Dear Cadets: I have no papa and no mamma, but I live with some good people. I am 12 years old and go to school every day. We have a fine horse and buggy, and we have a fine garden, and such nice, large, sweet figs. We get Up-to-Date, and I think it is a good paper. I love to read the children's letters. I do not know why the boys are so backward about writing. We have some fine, large chickens, and I like to read about them in your nice paper. Goodby, Cadets. This is my first letter to you, and I hope it will make me a Cadet too.—Clarence Gavdin, Hohen, Solms, La.

Dear Cadets: I am 11 years old, and have always lived on a farm. My papa owns a farm. I go a mile and a quarter to school to W. V. Kinsey. I have three sisters, Anna, Rosa, and Mrs. Lena Graber, and a brother, Joe.—Mary Miller, New Haven, Ind.

Dear Cadets:—I am a little boy 9 years old, and I have a brother 5 years old. We have had very cold weather this winter, 35 degrees below zero and lots of snow. We have had no school this winter. My mother is a subscriber to Up-to-Date and I want to become a Cadet.—Verion D. Yeavitt, Eustis, Maine.

Don't that beat you? Canada, Louisiana and Maine, all right together!

Dear Cadets: I am 15 years old, and I live in the central part of Illinois. We have a beautiful country, level and rolling, with black, rich soil. Corn and oats are our principal crops, but we grow clover and timothy hay. I go to school nearly every day, and we have a nice school house. I was in the 8th grade last year, but I failed to take the examination, and I am still in that grade. In the spring I generally work in the fields. We raise all kinds of fruit adapted to our climate. We are four and a half miles from our closest town, but there is a grain elevator two and a half miles from us, where we haul and deliver our grain. It is thickly settled here. —Myrtle Cording, Strawn, Ill.

Dear Cadets: I am a little girl 8 years old, and I live with my grandparents. My mamma died when I was a baby. My school is out now, but it will begin again in April. I am in the third grade, and my teacher is Miss Ida Oleson. I have to walk a mile and a half to school. I live 5 miles from Lake Michigan, and one mile from Glen Lake, which is a great resort. One of the resorts is called Eat-a-Bite. I have a pet dog named Rover, and I have lots of fun with him. How many of the Cadets like to go bathing in summer? I do for one. But it is winter now, and I slide down hill most every day; it is fun. My grandpa is cutting ice for summer use. I would like to get post cards from some of the Cadets.—Kate Camelia Scott, Maple City, Mich.

Dear Cadets: I now live in Missouri, but I did live out West. I moved here three years ago. Our chief products are corn, oats and wheat. I am in school now, and Mrs. Welte is the teacher. May I join your band? I would like to hear from any

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of the Cadets. Next time I will tell you about my life in the West and what I saw there.—Willie Palner, Independence, Mo.

Dear Cadets: I want to be a Cadet, and so I must fall in line. The more the stronger. That is what makes the wheel go round, as papa says. Stand for justice, as we are farmers. I live in Emmet county, Michigan. We raise apples, cherries, pears and plums, and berries. This is a good potato country. I am 10 years old and have a sister 8 years old. Sister and I planted 2 bushels of potatoes last year, and got 40 bushels, which we sold at 40 cents a bushel. We sold 2 bushels of tomatoes for $1 a bushel, and 200 head of cabbage at 50 cents a dozen. Didn't we do well for little girls? There is a nice lake near our place that is full of fish; but we haven't much time to go fishing. There are some wild deer here in the woods; they are very pretty. Papa is a farmer, and takes Up-to-Date, and thinks it is O. K.—Albertine Schlosser, Pellston, Mich.

Boys, talk about farming! What do you think of those 8 and 10 year old Michigan girls?

Dear Cadets: I live on a farm and like it fine. We take Up-to-Date and think it the finest farm paper printed. We raise cotton down here. We cultivate about 45 acres, 25 of which is in cotton. I would like to hear from Nebraska.—Homer Collins, Omaha, Texas.

Dear Cadets: I am a girl 10 years old, and I live in the Empire State. I have a father and mother, four sisters and one brother. My brother and sisters are all married. We live just across the road from the school house. I like to go to school and I like my teacher, Rebecca Whalen. Mother takes Up-to-Date, and all of us like to read it. We don't live very far from the Breathing Well.—Rose Halladay, Great Valley, New York.

Not many of the Cadets ever heard of the Breathing Well, Rose, and a description of it would be very interesting to them.

Dear Cadets: I will be 10 years old April 25, 1910. I have gone to school every day since Sept. 13. My teacher is Naomie Schnell, and I like her very well. I have one sister 7 years old, and she goes to school too. We live in the country, and I like it better than in town. We have three cows and we sell our cream. We have some chickens also. I have two little cousins, Meryl and Donald. I would like a post card shower on by birthday.—Levera Clinker, West Salem, Ohio.

Dear Cadets: I will be 11 years old April 4. I have no brothers or sisters. My school was out Feb. 22. We spoke pieces. I was in several dialogues. I am in the sixth grade. I like to go to school. I live on a farm in Jasper county. We used to live in town, but I like the country best. I am taking music lessons of my aunt. We are having pretty weather here now (Mar. 3). We take Up-to-Date and think it a fine paper.—Nellie Cole, Willow Hill, Ill.

Dear Cadets: I want to join your band. I live in Virginia and am 14 years of age. I walk a mile to school every day. I have not missed a day, and have been on the roll of honor every month. I will graduate in public school this spring, and will then be ready for high school, which is in a new town building named Altavista, 5 miles from my home. I am glad I am a farmer's daughter. I think Up-to-Date Farming is the best farm paper published. I would like to correspond with Eunice Sweet.—Dell Trent, Lynch Station, Va.

Now, what do you think? We have more Cadet letters than we can possibly print in this paper, and all I can do is to print the names and addresses of the rest of them. But that will make them Cadets of Equity all the same, and I will save the letters. Maybe I will get to print them some other time. I like the writers just as well, and they have written just as good letters, but we can only use a certain amount of space. I like to talk with the writers as I print their letters, but I have not done that much this time because I wanted to save the space for the letters. Following are the names and addresses of the Cadets whose letters had to be held over:

William Mitchell, Tebo, Texas.
Anna Sullivan, 1210 Berkley, Pueblo, Colo.
Lizzie Cook, Lake City, S. C.
Alfred L. Orndorff, Star Tannery, Va.
Maggie Haller, New Hanover, Ill.
Albert J. Oleson, (no P. O.), Minn.
Nona Prowell, Lebo, Kan.
Mertie Beard, Hardinsburg, Ky.
Julia A. Dowell, Irvington, Ky.
J. E. Ness, Hatton, N. D.
Mary Ritchie, Burke, Texas.
Herbert Schmitt, Rossville, Ga.
Clara Barnes, Phillipsburg, Mo.
Cora May Reviere, Taylor, Texas.
Lillie Jenson, Belourt, N. D.
Emmett E. Stoddard, Butler, Okla.
Frances Tamlin, Grantsburg, Wis.
Ebbie Glaze, Elizabeth, Ind.
Willie Barnett, Smiley, Texas.
Oscar Arnold, Winchester, Ky.
Charles B. Moore, Johnston City, Ill.
Eva M. Marsh, Harrisville, N. Y.
Levera Clinker, West Salem, Ohio.
Florence Wambaugh, Shanksville, Pa.
Albert Glass, Delphos, Ohio.
Agnes L. Jones, Hughesville, Md.
Lula Pansy Johnson, Ky., but no P. O.
Irene Wright, Estey, Mich.
Anna Sullivan, Glascoyne, N. D.
Minnie Wulf, Kennard, Neb.
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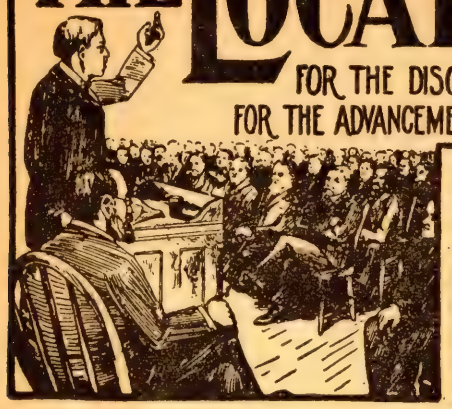
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When the price is reached at the base market is the time to sell. The farm price will be the base price less freight and a fair commission to the handler.

WHEAT—No. 2 Red, Chicago, per bu	$ 1.25
WHEAT—No. 1 Northern, Minn., bu	1.25
CORN—No. 2 till Jan. 1, Chicago, bu	.75
CORN—No. 2 after Jan. 1, Chi., bu	.75
OATS—No. 2 White, per bu.....	.50
BARLEY—Good malting, Chicago, bu	.65
BARLEY—Good feeding, Chicago, bu	.55
RYE—Chicago, per bu.....	.80
FLAX SEED—No. 2, Chicago, per bu	1.50
HAY—No. 1 timothy, Chi., per ton..	15.00
HAY—No. 2 timothy, Chi., per ton..	14.00
HOGS—Good to choice, Chicago, per cwt. .....$7.50@8.00	
CATTLE—Good to choice steers, Chicago, per cwt. .....$6.50@7.50	
POTATOES—No. 1, Chicago, per bu (Michigan growers set 50c at their station as minimum price.)	.60
BEANS—Prime, white, Chicago, bu.	2.50
COTTON—Middling upland, per lb...	.14
COTTON—Middling gulf, per lb.....	14.50
TOBACCO—(Subject to change by	
TOBACCO—(Subject to change by the Burley, Green River and Stemming District Associations)	
—Burley tobacco, average price, per lb.	.15
—Green River dark, average price, lb..	.08
—Stemming dark, average price, per lb.	.10

From one of our excanges we take the following:

Right living begins with the home and the neighborhood, but it does not end there. The man who would live right must apply the golden rule, or using a modern phrase, the square deal to his buying and selling, and to his politics as well as to his business. If the farmer stands for civic righteousness, for justice and equity in the neighborhood and the nation, our liberties will never be in serious danger.

—o—

We can heartily endorse that in its entirety because it is the doctrine that we have taught for years and we are glad to see it in other papers. No paper has equaled UP-TO-DATE FARMING in efforts to bring about right living for farmers which depends entirely on right business methods in selling and buying. And when farmers can live right the nation will be right, at least it will be better than it ever has been.

—o—

We also are glad to quote from a speech by Senator P J. McCumber, of North Dakota, in the Senate of the United States, on February 4, 1910 as follows:

The public may just as well begin to understand that the day of equal justice to the farmers of the country, though long delayed, is at hand.

—o—

Whether the senators prediction is about to come to pass, or whether the era of right living on the farms is about to begin depends entirely on whether the farmers of the nation can be directed along practical lines in cooperation and to the accomplishment of just and equitable objects.

—o—

Today non-cooperating, but competing industries have no guarantee of permanency and success, and non-cooperating bodies of men are powerless when pitted against the cooperating. We believe every reader will subscribe to these statements. Also we believe they will admit that before they can cooperate there must be organization —a nice arrangement of the parts so they will work together and with each other, which is cooperation.

—o—

In every mass there are many units. In an organization of farmers there must be many units, or individuals and each of these has different ideas and originally they hold to many different methods for ataining certain ends, for instance to secure right living and equal justice. But in a farmers movement the different ideas and methods must all be reconciled and merged into the essential ideas and the correct, a practical, method. Otherwise there cannot be cooperation, but there will continue to be chaos in farmers affairs. We can now see how important it is that farmers make no mistake in selecting *the kind* of organization.

—o—

When a farmer is approached and asked to join with a farmers' society he should first decide these two points:

(1) *Are its purposes just and equitable and if accomplished will they bring about right-living on the farms and give farmers equal justice with other people in all business transactions?*

(2) *Are the methods employed to accomplish the purposes sound and practical?*

If these two questions can be answered in the affirmative *it is the right kind of organization.*

—o—

Ever since the world began that government or society that was not firmly planted in the principles of Equity and Justice, and anchored to a practical constitution or plan, perished from the earth. No better examples to prove this rule need be cited than former farmers' organizations. Their failure was not due to any inability to get the farmers together—to organize—but to wrong purposes and impractical plans. To state it briefly, farmers organizations in the past undertook to regulate other people's business while neglecting to regulate their own—they sought to pull every other business and class of people down to a level with their own instead of trying to lift their's (the farmers) up to the level of the best.

—o—

The question may be asked here: how are we to distinguish between the good and the bad, between the right and the wrong plan, between the practical and the impractical?

—o—

We reply: study every one carefully, exercise good common sense, but above all seek to know what it has accomplished. If you find a farmer's organization that declares for just and equitable purposes; that has never wavered in loyalty to its principles; that has demonstrated the soundness and practicability of its plans in results accomplished for farmers; and particularly if after careful study you cannot detect any serious weakness, accept that organization as your Savior. And, having selected it, stand by it, support it and promote it. Only through such an organization, supported by the farmers, can *equal justice* and *right living* for farmers be secured. Senator McCumber says "the day of equal justice is at hand." We hope he is right.

—o—

But false teachers are abroad in the land now in greater numbers than ever before and farmers must be cautious. If a wrong choice is made the person making it will awake in the near future to find his second condition worse than his first. As this paper aims to be a guide and helper to farmers we will sound a few warnings which, if heeded, will help our readers to make a wise choice.

—o—

We warn farmers against all organizations that ignores the objects of marketing crops at profitable prices and make buying cheaper the chief purpose; we warn farmers against all organizations that look to the government for laws to benefit agriculture while neglecting to organize farmers into one great cooperative body for industrial benefits, when the farmers, the people, may also be the government and can demand and get from the government all they are entitled to; we warn farmers against putting all their trust in local shipping associations in which cooperation cannot extend beyond the farmers' elevator or warehouse, and when his produce leaves that it passes into the control of organized interests that have control of transportation and the final markets and they decide the prices that shall be paid. Any practical and successful plan must federate all such local efforts in one national effort.

—o—

We particularly warn farmers against any organization that selects receiving houses in the various cities and asks farmers to ship their produce to such houses and the headquarters of the organization gets a per cent. from the sales. Such schemes are grafts on the farmers crops, pure and simple. In such cases the organization does not make the selling price, but the market price made by the handlers prevails, hence there are no fewer handlers, but in reality another toll gate is erected to take tribute. In such cases the commission man can easily subtract enough from the remittance to the shipper to pay the headquarters per cent. If the society we have in mind had power in the market to compel better prices its interest in the business might be justified, but it has no such power.

—o—

Lately there has appeared a new line of activity in marketing farm crops in an adjunct to a so-called farm organization. It is called the "Produce Department" of that organization. This Produce Department is officered and managed by men inexperienced in either the production, shipping or sale of farm produce and they have displayed lamentable, if not criminal ignorance of agricultural conditions as they effect supply and of the markets as they relate to demand. To illustrate we take the following from an appeal to potato growers to ship for storage, issued December 1909 by the manager:

I believe I can secure for the farmers more for their potateos than they can themselves receive from any other source, provided, I shall be permitted to use my own judgment. In fact I will not handle the business on any other basis.

—o—

As an example of the managers judgment we quote further from the appeal as follows:

I am assured that there is a shortage this year (of potatoes); if so prices ought to be as good as last year. On the other hand commission men generally say there is a surplus, whether there is a surplus or not, if the commission men believe and act upon it, prices are sure to rule lower for quite a time.

—o—

The above statement was issued when all dependable reports indicated that the 1909 potato crop was the largest the country ever produced and later the government estimated it at nearly 100,000,000 bushels larger than the preceding year. But this manager was doing business *on his own judgment.* We will not attempt to decide whether he was ignorant of the condition of the crop or whether he deliberately concealed it so more potatoes would be sent to store. Ignorance in such serious matters cannot be pleaded as an extenuation. The result of the managers judgment down to date is given in a publication of March 15th, 1910 and we quote as follows:

"Arrivals (of potatoes) have been very heavy for the past month, an average of twenty cars having been routed from headquarters to different points where storage is maintained. At Kansas City arrivals for the past two weeks have been heaviest, 7 to 10 cars having been coming in there daily.

"At Indianapolis we have 50 cars in storage, and the arrivals here amount to 5 cars per day, most of which, after storage

(Continued on Page 21.)

I WAS A Heavy Drinker

Consumed quart of whiskey every 24 hours.



CURED IN 3 DAYS

If you know anyone who drinks alcohol in any form, regularly or periodically, let me send my FREE book, "Confessions of an Alcohol Slave."

I drank beer at first, then gradually developed into a drinker of strong liquors. When drinking heavily I wouldn't hesitate to pawn my coat or break a saloon window to get spirits. For long periods I would drink over a quart of whiskey, rum or gin daily. And some mixed drinks and beer additionally!

I damaged business, health and social opportunities, made family miserable, lost real friends and became an unworthy, unwelcome burden upon all except the saloonkeepers, who cheerfully took my money for the poison they gave me.

For 16 years I kept it up, and I was regarded as a hopeless case. Various "cures" did me no good. But now I have **a joyful message** for drinkers and

Mothers, Wives, Sisters

While drifting from bad to worse, as all slaves of King Alcohol do, I unexpectedly **found a true cure.** It was (and is) genuine. It saved my life. **My health was quickly restored.** I became and am a respectable man, enjoying every benefit of freedom from the accursed alcohol. I speedily and naturally lost all desire for drink. I took less and less. I began to prefer tea, coffee and other non-alcoholic liquids; the **craving for liquor ceased,** I could sleep perfectly, my stomach became well and I recovered from other ailments which I now know were due to my indulgence in strong drink.

WONDERFUL

My cure lasted 3 days; if I had relied upon will power or faith I would still be a drunkard, because an alcohol slave has **no will power while drinking.** I rejoiced so greatly at having found a true cure that I decided to devote my life to removing the curse from others. My success has been marvelous. During eight years **I have personally attended to over 6000 men and women who were addicted to drink;** the list includes very many persons notable in all walks of life, including those of brains and those of physical energy. If I were permitted to mention names of those who have been saved through this *quick, permanent cure* the public would be astonished. They include senators, congressmen, public officials, great lawyers, bankers, clergymen, noted merchants, skilled mechanics, trusted managers and clerks, farmers and others in all vocations.

I tell about the secret in my book, which I send **FREE** to every person (or relative or friend) who takes alcohol in any form to excess. My one purpose in life is to **cure the drunkard.** I rejoice in every cure, each victim has my sympathy. What I promise is absolutely guaranteed. My remedy is for either **steady or periodical drinkers.** Think of it—a **complete and permanent home cure between Friday night and Monday night**—or any other 72 hours!

Men or Women, Any Age, Quickly Cured.

To relatives, friends or employers I say—if you want to cure a drinker in the quickest time and permanently, with or without his knowledge and with absolute safety, read my book—changes despair to joy.

ABSOLUTELY FREE

I will send you my book, in plain wrapper, promptly, postpaid. It tells of my own career and the wonderful discovery and gives valuable advice. No other book like it. I especially appeal to those who had wasted money on treatments or remedies which have no lasting effect. Remember, **it costs nothing** and you will always be glad that you wrote. Correspondence strictly confidential. Cut this out if you cannot write to-day. **Address:**

EDWARD J. WOODS,
534 Sixth Ave., 434 A, New York, N. Y.

EARN WATCH—RING and CHAIN WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely designed case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.



Dale Watch Company, Dept. 53 Chicago

ALL CHRONIC DISEASES CURED

permanently by mail. $5.00 per month. Send full description of your case. 38 years experience.
Dr. E. Christiansen, Rm 100, 2101 Jackson Bvd., Chicago

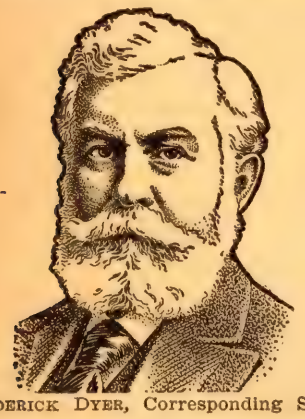
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Home Treatment Association, Dept. 50, Indianapolis, Ind

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

RHEUMATISM

Let Me Send You a Dollar's Worth of the Great Michigan External Remedy Which Is Curing Thousands to Try Free. Just

Sign and Mail My Coupon



FREDERICK DYER, Corresponding Sec'y.

Let us cure your Rheumatism **(no matter where located, how severe, or whether it is chronic, acute, muscular, sciatic, lumbago or gout)** with our powerful, yet harmless **Magic Foot Drafts.** They have even cured cases of 30 and 40 years' standing where baths and doctors and medicine failed.

Just sign and mail the coupon below. Return mail will bring you prepaid a regular $1 pair of Magic Foot Drafts, the great Michigan cure for every kind of Rheumatism—chronic or acute—muscular, sciatic, lumbago or gout—*To Try FREE.* Then if you are fully satisfied with the benefit received send us One Dollar. If not, keep your money. You are the judge, and *we take your word.* We know what Magic Foot Drafts are doing, for we send them everywhere, and wait for our pay until the work is done. Let us send *you* a pair. Valuable illustrated booklet *free* with the Trial Drafts. Send no money—just the coupon. Do it today—now.



This $1.00 Coupon FREE

Good for a regular $1.00 pair of Magic Foot Drafts to be sent Free to Try (as explained above) to

Name .....

Address .....

.....

Mail this coupon to Magic Foot Draft Company, HA13 Oliver Bldg., Jackson, Mich.

BED WETTING

Inability to hold urine during the night or day, in old or young, **is not a habit but a dangerous disease.** Our **HARMLESS** Pastilles are **guaranteed** to cure it.

O. H. ROWAN DRUG CO., Dept 10 London, Ont., Canada. **A 25c. Pkge. FREE.**

FREE DEAFNESS TREATMENT

A successful institution makes this remarkable offer to send free medicines to prove their ability to cure Deafness, Head Noises and Catarrh by a new method. Address Dr. Branaman Remedy Co., 1156 Walnut St., Kansas City, Mo.

WE GUARANTEE A SQUARE DEAL

to all who trade here—write our advertisers. See guarantee of advertisers in this issue.



AGENTS!

Your customers cannot afford to be without the C. & F. Fire Extinguisher. It is an absolute daily and hourly necessity in every home, barn, store, meeting house and factory in the land. It is always ready. A child can use it. It is so inexpensive that no one should hesitate to buy.

Those living in rural communities will especially realize the great need for adequate and convenient protection of lives ond property against fire and welcome this low priced C. & F. extinguisher as a long looked for blessing.

It's the first few minutes of a fire that count. The C.&F. is always ready and convenient. Highly endorsed. The only sure and safe insurance is the C. & F. Fire Extinguisher. Write for terms. **Agents Big Profit.**

COONER & FORTUNE CO.
Indianapolis, Ind.

THE FIELD

Up-to-Date Farming will publish short letters from members and subscribers relating to matters of general interest. They may be reports of meetings held or to be held; companies formed to build warehouses or elevators for storage of crops; views on any current topic, etc.

MUST EMBRACE THE EQUITY PLAN

J. A. Everitt, Pres.

I received the book, "Farmers Industrial Freedom." I have read it and I think it is one of the grandest works ever written. Every farmer ought to read it and it will start them to thinking along new lines that will do more than eternally talking about busting the trusts and revising the tariff. I live on a small farm—60 acres—I work hard but I have never been able to save over $50 a year clear of all expenses. When the crop is good the price is small. I live 3 1-2 miles from a city of 2900 population where there is no less than 22 hardware, dry goods, grocery and drug stores, and they each employ from 3 to 7 clerks and delivery boys, all of whom, I contend, are being fed and paid by the farmers of three townships. Farmers will never have the social and business standing they ought to have until they embrace the Equity plan. —J. N. Church, Wis.

WANTS IT IN EVERY FARM HOME

Dear Editor of Up-to-Date:

I enclose $1.25 and a list of subscribers and the premiums. I want to say however that it is not he premiums I am working for, but I would love to be able to put your paper in every farmers home in the United States. It is one of the best, if not *the best* paper that comes into our home.—Mrs. J. J. Williams, Montana.

A COMPARISON

The Farmers Society of Equity.

I want to place before you a little statement of the condition in my section of Kentucky.

In 1908, I sold my tobacco under the Controlled Marketing System your official paper taught, and through our Equity warehouse in Hopkinsville. I received the following prices:

Trash, 8 1-4 cents per pound.
Lugs, 9 to 10 1-2 cents per pound.
Leaf, 12 1-2 cents per pound.

In 1909 some new ideas were disemmated here and the Controlled Marketing System was side tracked and the Auction Sales system established and my tobacco brought me, in 1909, as follows:

Trash, 3.60 to 4.20 cents per pound.
Lugs, 6 cents per pound.
Leaf, 9.10 cents per pound.

I consider that it is an insult to a self-respecting man to put his time, toil and investment before the public at auction to be knocked down to the highest bidder.

I observe that the speculators are knocking the price of wheat down. The wheat growers need a great rallying to the Equity System. If prices are forced low it will mean shorter crops notwithstanding the people are crying for bread.—F. B. M., Christian Co., Ky.

SEND US AN ORGANIZER

Farmers Society of Equity.

Greenville, Kent county, is the ruling potato market for this section of Michigan. We need the Farmers Society of Equity and the Equity system here very badly. Potatoes are now selling at 18c a bushel and for apples we were paid just enough to pay us for picking them and cider applies only enough to pay for one-half time to pick and draw them to the station. Send us an organizer and I am sure that there will be a big crowd to meet him as this section is certainly ripe for organization, so that the bad conditions that prevailed this season may not be repeated in the future. I hope you can respond to our appeal.—F. D. Smith, Cedar Springs, Mich., March 2, 1910.

HOPES NATION WILL WAKE UP

Up-to-Date Farming.

I now renew my subscription and send you three new subscribers. I cannot do without my UP-TO-DATE FARMING and I want to say Mr. Everitt is deserving of more praise than any other man living for his great, yes marvelous work for farmers. I do hope all the nation of farmers will wake up and help in our great and good movement to make them industrially free.—Sidney Johnson, Ky.

ENTHUSIASTIC

Editor Up-to-Date Farming.

I enclose renewal for my subscription, two years. I am a member of the Farmers Society of Equity and have the honor of having been the president of our local union since it was organized. Our official paper—UP-TO-DATE FARMING is the only paper that has ever taught farmers anything of *real* value to them. I believe in its teachings and I believe in the principles of our society. I am enthusiastic over the idea of seeing farmers solidly organized and realizing all the blessings that will then come to us.—E. M. Gilbert, Ocean Co., Mich.

RESOLUTION OF RESPECT AND SYMPATHY

Thomas Vance of Echo Local Union died February 16th, 1910 aged 61 years. He was a resident of Antrim county for about 36 years. As has been the lot of many farmers Mr. Vance labored hard and in recent years aged rapidly. He was a good husband, a kind and loving father and a valued citizen. He did what he could while living. Echo Local union F. S. E. passed the folloging resolution:

Wheraes; in the death of Brother Thomas Vance our Union lost a beloved member and one of our valued advisers; Therefore, be it resolved that we extend our sympathy to the bereaved family and that a copy of these resolutions be sent to the family and to our official paper, Up-to-Date Farming. Also that our charter be draped with the badge of mourning.

—COMMITTEE.

Kitselman Brothers, fence manufacturers, Box 189, Muncie, Indiana, have just completed their large Catalogue of fencing. Their prices are extremely low when you consider the high quality of their fencing. Prices range from 14 3-4 cents a rod up. See their ad elsewhere in this paper and write them for Catalogue.

Hair Grower Free

Those who are bald, who have dandruff or whose hair is combing out, can cheer up, as modern scientific research has at last discovered the secret for destroying the germ which causes the trouble. Moreover, it is stated that the hair roots do not die, as has been imagined, but the roots remain dormant in the scalp. By the aid of correct treatment, the roots speedily take activity and send forth new hair which grows long and beautiful.

This new discovery is attracting great attention because of the wonderful results reported and the generous offer of Koskott Labratory which is making a distribution by mail of dollar boxes, free, in accordance with the advertisement which appears in this issue. As the offer will not appear again this season, those who wish to take advantage of it, should do so now.

APRIL 1st DUES
IMPORTANT NOTICE

The second Dues Paying Date for members of the Farmers Society of Equity is APRIL 1st. Officers of the Local Unions and Members who have not reported yet should atend to the matter without delay. We particularly charge secretaries with this duty.

For the information of members and officers we report that the annual dues is $1.50. The apportionment is as follows: To the National Union 25c; to the state union 25c; to the county union, 10 cents; to the local union 40 cents; to the official paper 50 cents. Remit 75c to headquarters; 25c to the state secretary if one; put 40 cents in the local union treasury and pay 10c to the county union if one, if not hold it until one is organized.

If your State has no state union then use the State's portion for extending the organization in your section.

Notwithstanding that the by-laws provide that 50 cents shall be paid to the official paper, the publisher of the official paper charges only 25 cents now and accepts only that sum. The difference is used to promote organization.

FARMERS SOCIETY OF EQUITY,
Indanapolis, Ind.

ANSWER

This Ad and Get My Big FREE Book and Save $50

Buy direct from the biggest spreader factory in the world—My price has made it—Save dealer, jobber and catalog house profit. No such price as I make on this high grade spreader has ever been made before in all manure spreader history. Here's the secret and reason: I make you a price on one based on a 30,000 quantity and pay the freight right to your station. You only pay for actual material, labor and one small profit, based on this enormous quantity on a

GALLOWAY

Get my bran new proposition with proof—lowest price ever made on a first class spreader, with my agreement to pay you back your money after you try it 12 months if it's not a paying investment.

How's that for a proposition? If I did not have best spreader I would not dare make such an offer.

40,000 farmers have stamped their O. K. on it.

They all tried it 30 days free just like I ask you to try it—30 DAYS FREE. **Five Sizes—including New Complete Steel Gear Spreader—70-bu. Size.**

Drop me a postal, and say—"Galloway, send me your new proposition and Big Spreader BOOK FREE with low prices direct from your factory."

Nobody can beat it. Freight Prepaid

WM. GALLOWAY CO.



Fits Your Own Wagon

609 Galloway Station, Waterloo, Ia.

$1.00 Special 60-day Offer

To Introduce Our New Excelsior Solar Telescope



Never before sold on any telescope for less than $8.00 or $10.00.

A large, powerful Achromatic Telescope for terrestrial and celestial use. It is provided with a Solar Eye-Piece. With this you look the Sun square in the face—study it as you do the Moon by night. Every student needs one. Eye-piece alone is worth more than we charge for the entire telescope. Remove Eye-piece lens and you have a perfect telescope for land observations. Read what this customer says:

Stevensville, Ont.

Dear Sirs--Received telescope last Saturday. It is a dandy and I am well pleased with it. ENOS WINGER.

Positively such a good telescope was never sold for this price before. They are made by one of the largest manufacturers in Europe. Measure closed 12 inches and opens 3⅓ feet in 5 sections. They are BRASS-BOUND, BRASS SAFETY CAP on each end to exclude dust, etc., with POWERFUL LENSES. Heretofore telescopes of this size have been sold for from $8.00 to $10.00. Objects many miles away are brought to view with astonishing clearness. Examine fences and count stock at several miles distant. Every farmer needs one. Save their cost in a week on any farm. Sent by mail

Postpaid for $1.10
If by Insured Mail $1.20

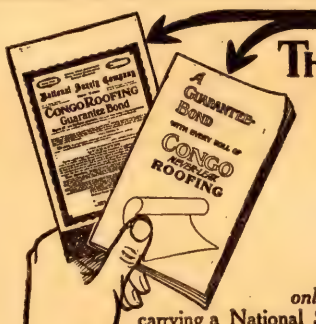


This is a grand opportunity and you should not miss it. We WARRANT each telescope just as represented or MONEY REFUNDED. Send your order today.

Peoples Wholesale Store
Box 2 INDIANAPOLIS, IND.

See our full page advertisement March 15 number of this paper.

When writing to advertisers don't fail to mention Up-to-Date Farming.



THE GUARANTEED ROOFING
CONGO
A SURETY BOND with every roll

Congo is the *only* ready roofing carrying a National Surety Bond in every roll.

These Legal Bonds absolutely guarantee your roofs for *10 years* if covered with Congo 2 or 3 ply.

We know from experience that it is probable you will get even longer service.

The National Surety Company is one of the best known insurance companies in the country. They have over $2,000,000.00 assets.

It is therefore a matter of keen satisfaction to us that they are willing to stand behind Congo.

Of course we have to pay them a regular insurance premium. We are glad to do this, however, because we feel satisfied that we will more than get our money back *in increased business.*

We feel that when the people of the country realize that we are willing to back up Congo with an *honest and legal Guarantee* they will buy Congo —and Congo only.

If you will send us your name and address, we will be glad to send you samples of Congo and a copy of the Surety Bond so that you can see exactly how liberal this offer is. Write promptly.

UNITED ROOFING AND MFG. CO.
Chicago San Francisco
C04 West End Trust Bldg. Philadelphia, Pa.

LOCAL UNION

(Concluded From Page 19.)

was full, being forwarded to Louisville, Cincinnati and Southern points. At Columbus, O., we have 20 cars, with several arriving each week for track sale.

"We have done no selling thus far except at Kansas City, where, by reason of some frozen stock, which we were forced to put on the market, we have sold 2 or 3 cars. This, however, has to be sorted before net amount can be ascertained.

*"Our storage at all points, except Pittsburg, is entirely filled. * * * We have been sending out letters for the last week asking that shipments and sales be withheld until April 1st, but with little success. * * * While we very much dislike to place stock on the market at the absurdly low price which prevails at present, we are, by reason of our small storage facilities compelled to do so."*

—o—

The market price of potatoes in central markets, is now about 20 to 27 cents a bushel. We assume that when many of those potatoes were put in storage they would have sold for 40 to 50 cents. We will make no further comment except to repeat our warning to farmers to not trust their produce to this concern or any opperating along similar lines.

—o—

We also warn farmers against any society that depends on other classes to help farmers to *live right* and secure *equal justice.* We have before us a circular issued jointly by two of this class we quote from it as follows:

"The ———— an organization of farmers embracing the Southern states on practically the same lines as the ———— of the Northern states are arranging for a mass convention of productive workers. Farmers and laborers of all kinds, clerks in stores and offices; workers in mines, factories and forests; mechanics, etc., are all invited to join in this convention."

—o—

If farmers need to call on clerks, laborers, miners, mechanics and Tom, Dick and Harry to help them to cooperate to *live right* and *secure equal justice,* then there's is a hopeless case. Clerks, miners, mechanics and laborers in all fields, except agriculture, have organized without farmer's help and it is an insult to the tillers of the soil and the producers of our most valuable products to even insinuate that they are not as intelligent, and as resourceful as those other classes. Pretended leaders and teachers of farmers, and so-called farm societies that spread such fool doctrines are the greatest curse agriculture has and are the greatest menace to farmers' practical cooperation.

—o—

Throw all of the organizations we have referred to into one pot and boil them all down until only the real essence remains and they come to this: Schemes devised to support a lot of people who have a surplus of undigested theories which they want to test at the farmers' expense; or plain grafters. The purpose of the latter class is "Grist to my Mill" and the method to accomplish the purpose is "any way that will bring it."

—o—

Organization and cooperation is the great matter before farmers today. For years the cry has gone up from the people on the farms: "What can we do to be saved from our exploiters?" The answer is: "Organize and cooperate." But be sure to scrutinize the purposes and methods of the organization before you affiliate with it. The purpose of a farmers society that you join must be to secure equity for farmers in all transactions and the method or plan must be such as will accomplish the purpose.

—o—

This paper wants to help farmers. It has often been said of it, "it is the most helpful farm paper printed." We sincerely strive to save farmers from making mistakes and we as earnestly try to help them along the way to industrial freedom. We believe our readers, every one of them, will concede that we have their best interesst at heart and that every recommendation we make is worthy of careful consideration and investigation. We now consider that we would fall short of our duty if we failed to recommend the Equity plan and system of organization and cooperation to all who have not studied it until this time. Send for it, read it and study it. If you agree that it is correct then take it as your guide and measure all others by it. It has never failed where applied, and it can be applied to all sections of the country and for all crops. A million farmers practicing the Equity System will not waver in the accomplishment of any just object but they will march as a great army, with a front as solid as a wall of rocks.

Understand the Equity System and you will be proof against unproven theories. Know the Equity plan and if you can approve it let it be a law to guide you in cooperation as unchangeable as the famous laws of the Medes and Persians.

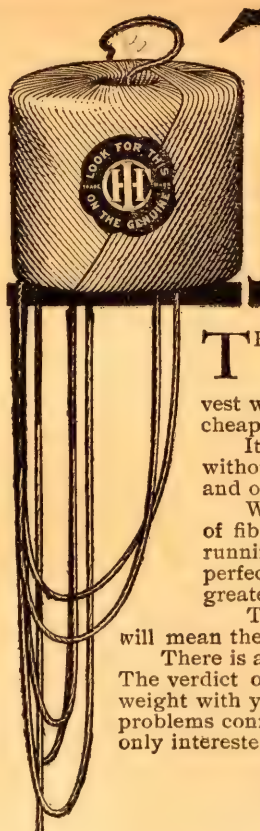
The Equity plan is explained in a 64-page book entitled Farmers Industrial Freedom. To avoid any mistake cut out the coupon below and send the day you read this.

—o—

INSUFFICIENT ADDRESS ORDERS

Following we print a list of orders we have received since our last publication with insufficient addresses. We hope through this publication to reach the senders. We enjoin on all our correspondents the necessity of writing all addresses distinctly, and complete.

Mailed at St. Paul, Minn., 8c.
Wm. O. Seal, Brown Co., Ind., 25c.
Bandon, Oregon, 25c.
Forest (by the post mark) 25c.
Some town in Minnesota, 50c.
Some town in New Mexico, 30c.



LET THE EXPERIENCE OF THE MAJORITY OF FARMERS BE YOUR GUIDE IN BUYING TWINE

THE time has come to order your binder twine for the 1910 harvest. Twine dealers are placing orders for their season's stock. The mills are running. Now is the time for you to decide the twine question. It is something that requires careful consideration. The success of your harvest will depend on the uninterrupted work of your binder, for no binder can work well if you use a cheap grade of binder twine.

It is our aim to have every farmer who uses I H C twine go through the 1910 harvest season without a break in the field. We have much more at stake than merely selling twine. Your interests and ours are the same.

We know that the raw materials from which I H C twines are spun have the quantity and quality of fibre that insure greater strength than is found in any other twine. They are evenly spun—smooth running—do not tangle in the twine box—work well in the knotter, insuring perfect binding and perfect tying. They insure your being able to work your binder through the entire harvest season with greatest speed and economy and are therefore practical profit insurance.

Those who buy cheap twine will certainly have trouble—delays due to tangles, knots and breaks will mean the loss of valuable time—and every delay at harvest time will cut down your profits.

There is a sure way to avoid this. Let the experience of the past be your guide in purchasing your twine. The verdict of the majority of the farmers of this country is a safe guide. Their decision should have more weight with you than the statement of any twine manufacturer. These farmers know. They have the same problems confronting them that you have. They have no axe to grind. They do not sell twine. They are only interested in results.

I H C Brand of Sisal—Standard Sisal Manila or Pure Manila

Are the twines used by the majority of the farmers of this country. They have been proved to give the best results. Eighty-five to 90 per cent of the farmers use Sisal. It is smooth running and works at steady tension without kinking or tangling in the twine box—insuring perfect binding and perfect tying. Its only equal is the really high grade Manila twines such as bear the I H C trade-mark.

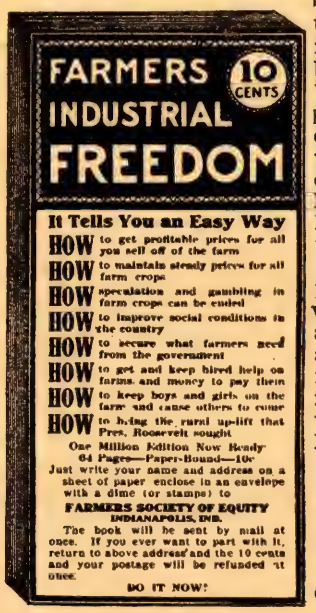
Your interests and ours are identical on this twine proposition. We have more at stake than selling twine. We are vitally interested in the successful operation of hundreds of thousands of binders. On their successful operation depends our success—and we know they cannot operate successfully with poor twine. No binder made can. For this reason we have given the twine problem careful study. When we say "Stick to Sisal or high grade Manila bearing the I H C trade-mark"—we do so because we know them to be the highest standard of excellence in binder twine.

But we don't ask you to do as we say. We want you to be the judge. But your judgment to be right should be based on facts—not on the statement of any twine man. And the fact is—that the majority of the farmers of this country use I H C twine. Sisal or Standard (which is made from pure Sisal) comes 500 feet to the pound; high grade Manila, 600 feet to the pound; Pure Manila, 650 feet. See your local I H C dealer at once and let him know how much you will need. If you want more facts on binder twine, write direct to

International Harvester Company of America Chicago U S A
(Incorporated)







SEND FOR THIS GREAT BOOK

If you are a farmer and have any business troubles read this book. We want to place a copy of this volume in every farm home in the land. It is valuable beyond price, but we will send a copy to any person interested in solving the problems on the farm as shown on the title page, for only 10 CENTS.

—————COUPON—————

Farmers Industrial Freedom

Farmers Society of Equity,
Indianapolis, Ind.
Enclosed is 10 cents for which send me the new 64 page book *FARMERS INDUSTRIAL FREEDOM.*
My
Name .....
My
Address .....

Personal to Farmers

Who Want to Become Rich Growing Alfalfa

It is a well known fact that land that will produce Alfalfa abundantly will grow big crops of everything else. It is also a fact that Alfalfa growing makes the ground richer. We are offering at a fair price and on reasonable terms, land that cannot be excelled for Alfalfa growing. And this means that it will grow anything else in the way of wheat, oats, corn, vegetables, fruit and produce hogs at 1 1-2c a pound.

Alfalfa produces four crops a year on our lands and averages a ton each cutting. It sells in our market averaging a mile from our lands at $18 to $20 per ton. Is there money in it at this rate? It will pay for the farm in two years and you will have better land at the end and land worth $150 per acre.

We have for sale improved farms, churches, schools, stores, banks, markets, two railroads, neighbors and all conveniences. No pioneer work. Everything ready to plow and plant. Prices very low; part payment down; balance arranged so the crops will pay it out in two years or less.

This is a high class proposition. Nothing else will equal it. You are not offered cheap land dear at any price but land that will double in value in a very short time.

Send for booklet and full particulars.

Mississippi Black Prairie Land Co., Indianapolis, Ind.

REQUEST TO READERS! **Advertisers Want to Know** in what paper their advertisements are seen. Therefore please mention **UP-TO-DATE** every time you write to our advertisers

I WANT A MAN - ARE YOU MY MAN?



I WANT A MAN who knows the profit in buying, selling and feeding by weight, who will be the first one to get the benefit of the introductory price on my **Steel Frame Pitless Farm Scale**, which I have just patented. This 5 ton scale has new compound beam and beam box, free. To such a man who will help me continue my **45 years fight** against all scale and implement trusts, I will send a scale entirely on approval with full information and no obligation to keep if not exactly as represented in writing. The first man gets the introductory price.



"JONES He Pays The Freight"
125 Lee St., Binghamton, N. Y.

VIRGINIA Farms and Homes. Send five cents for descriptive Catalogue.
HALIFAX LAND AGENCY, News Ferry, Pa.

Tell them you saw the "ad" in Up-to-Date Farming

WRITE THE ADVERTISERS
Whose announcements you find in Up-to-Date Farming. You will profit thereby and it helps both the Advertiser and the Publisher.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

Agents Wanted

AGENTS: 100 per cent. profit. Monkey-wrench, plumbers plyers, with 13 other tools combined. Most wonderful combination of tools ever made. Lightning seller. Sample free for examination. Forshee Co., B, 1365 Dayton, Ohio.

AGENTS—Handy Hame Fastener. 200 per cent. profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

Correspondence Schools

DON'T PAY $20 to $30 for Real Estate, Insurance and Brokerage Course. I sell one for $2.50, same as sold by certain company at $20 or money back. D. W. Edmonds, Youngstown, Ohio.

Farm Lands For Sale

FOR SALE—Marinette County, Wisconsin, improved dairy farms at great bargains, ready for immediate possession.

120 ACRES 2 miles from Court House of Marinette, Wis., fine buildings; price $10,000.

131 ACRES adjoining Porterfield, Wis., 60 acres cleared; good buildings; price $6,500.

160 ACRES 1-2 mile from Porterfield, Wis., 90 acres under cultivation; splendid land; fair buildings; price $6,500.

300 ACRES good land adjoining town of Elis Junction, Wis., 120 acres cleared, in high state of cultivation, balance fine woods pasture; woven wire fence; fine buildings; price $15,000.

WE ALSO OWN 100,000 ACRES of choice hardwood lands which we will sell in tracts to suit, prices ranging from $7.50 to $20 per acre. Write for descriptive booklet and map. We want a few good, live agents—good proposition for the right men. Write for particulars.—Skidmore Land Company, "Good Farm Lands," Box 56-A, Marinette, Wis.

FRUIT, GRAIN AND STOCK FARMS for sale in Oceano Co. Write C. W. Morgan, Shelby, Mich., for lists.

LANDS that will pay for themselves, ready for the plow, good soil, good crops, good water, good climate, cheap fuel. The Missouri Valley and Corn belt of North Dakota, prices the lowest and terms the best, send for them. J. C. Hallum, 840 15th Ave. So., Minneapolis, Minn.

MICHIGAN FRUIT AND FARM LANDS—We sell improved and unimproved farm lands right in the celebrated fruit belt of Mich. Lands very productive for farming and fruit growing. Write us for information. James Greacen, Kalkaska, Mich.

120 ACRES clay loam with large buildings in Central Michigan, $35.00 per acre. Address Owner, J. H. Vanarsdale, Marion, Mich.

ROUTT COUNTY, COLORADO—Bargains in ranches and relinquishments; some good homesteads yet to be taken in this locality. Write us. Wright & Son, Yampa, Colo.

"VIRGINIA FARMS for sale at eight to fifteen dollars per acre. Write for descriptive booklet. Jeffreys, Hester & Co., Chase City, Virginia."

Farms Wanted

WANTED—Farms and businesses. Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, Minneapolis, Minn.

WANTED—TO RENT a farm of 100 to 200 acres in Indiana, or central states. What have you to offer? Address Alden, Sta. A., R. R. 36, Indianapolis.

WE CAN SELL your property; send description. Northwestern Business Agency, Minneapolis.

Ferrets

5,000 FERRETS for sale. Write for price list. It's free. Safe arrival guaranteed. De Kleine Bros., Jamestown, Mich., Box 80.

For Sale—Tobacco

30,000 POUNDS leaf tobacco for sale. Send stamps for sample to Anton Wavrin, R. R. 6, Box 34, Franklin, Ky.

For the Home

RICE—100 pounds, beautiful, clean white table rice, delivered in double sacks, freight prepaid, to your railroad station, $4.60. J. Ed. Cabaniss, Rice Farmer, Katy, Texas.

WOMENS SHOES—Regular sizes, or made to measure, factory to you. Price right; particulars for stamp. F. A. Crocker, Lincoln Centre, Me.

Male Help Wanted

FARMERS' SONS WANTED for Railway Mail Clerks, Carriers and Post Office clerks; salary $800 to $1600, common education sufficient. Write for information. American Institute, Dept. 75, Dayton, O.

MEN WANTED—To prepare for next Railway Mail, Internal Revenue, Customs and Postoffice Examinations. $50.00 to $125.00 monthly. Annual vacations. Short hours. Rapid advancement. Steady work. Common education sufficient. Country and City residents stand equal chances. Political influence unnecessary. Over 15,5000 appointments to be made this year. Write immediately for schedule showing Spring Examination places and dates. To advertise, we are preparing candidates free. Franklin Institute, Dep't. R., 29, Rochester, N. Y.

SALESMAN WANTED—To sell trees and plants. Highest commissions payable weekly. Write for free outfit. Perry Nurseries, Rochester, N. Y.

SALESMEN wishing to earn three to five dollars per day, write for terms immediately. First National Nurseries, Rochester, N. Y.

WANTED—A man on farm, B. S. Hollopeter, Bigtimber, Mont.

Patent Attorneys

ADVICE and books relative to patents sent on request. Beeler & Robb, Patent Lawyers, 60-62 McGill Blg., Washington, D. C.

PATENTS: All about them and their cost. Send for Free Books. Shepherd & Campbell, 214 G. McGill Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

CHICKEN Gape Worm Extractors, unequalled. Three for 25c. Guaranteed. Dr. Wm. Hallowell, Johnsville, Pa.

52 LEADING VARIETIES poultry, pigeon, hares, stock and eggs, for sale. Catalog free. H. Musselman, Morwood, Pa.

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

30 VARIETIES: Geese, Ducks, Chickens. Catalogue free. Minkel & Co., Mapleton, Minn.

UTILITY FARM ROCKS Barred and White, 15 yr's line bred for winter eggs, meat, health and vigor. March 1 page 13 large ad. Fertility guaranteed. Address Utility Farm, Watsontown, Pa.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to M. George & Co., 95 S. Water St., Chicago. Established 1866. Member the National League of Commission Merchants of the U. S. This house has special terms to quote to members of the F. S. of E.

TAKE NOTICE, poultry, eggs, potatoes sold highest prices. T. J. Hoover, 344 Water St., Phila, Pa.

Roofing

ROOFS, WRITE ME before buying roofing. Can save you money on every roll. Rubber, canvass and flint-coated roofing. I will tell you which to use on your particular building. Agricultural Oils. Catalog free. J. W. Mack, 249 Union Bldg., Anderson, Ind.

Seeds and Nursery Stock

GERANIUMS AND BOSTON FERNS—$1.00 will buy one Boston Fern, fine big plant, and twelve new winter flowering Geraniums, ostage or expressage paid. B. E. Wadsworth, Box 224, Danville, Ill.

STRAWBERRY Plants. Best Varieties. Catalogue Free. Basil Perry, Cool Springs, Delaware.

Thoroughbred Stock

IMPORTED BELGIAN STALLION, weight 2,000 lbs. Will sell for cash, or trade for cattle, sheep or horses. B. S. Hollopeter, Big Timber, Mont.

"WONDERFUL"—Monarch of the Dickinson fold. He that was of great individuality. Decendants of said ram whose greatness still holds good. The long ancestral line insures uniform type. No guess work. Good business sense asks: "Why waste your high priced feed, precious time and energy upon anything but the very cream of breeding?" Choice stock now booked for future delivery. H. M. Culbertson, Zanesville, Ohio.

REGISTERED POLAND China hogs, male and female. B. S. Hollopeter, Bigtimber, Mont.

Tobacco Cures

BROTHER—Accidentally discovered root will cure tobacco habit and indigestion. Gladly send particulars. G. T. Stokes, Mohawk, Florida.

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Greatest discovery of century. Send your name at once. KING NI-KO U, Wichita, Kansas.

A SHOWER OF CONGRATULATIONS

On Up-to-Date Farming on the Completion of Its First Year of Corporate Existence.

Since January 1909 Up-to-Date Farming has been published by a corporation by name Equity Publishing Company. This step was taken to give farmers, and particularly members of the Farmers Society of Equity, an opportunity to own a financial interest in the paper and, if possible take the paper closer to the farmers and bring the great farmer class closer to it. The first annual meeting was held January 27, 1910. The report showed a remarkable gain in circulation and advertising patronage and the paper itself is the best evidence of progress in its size, contents, and benefits to farmers. Much money was expended in advertising for subscribers and in improvements which proved a good investment as the present physical status of the property reveals, but notwithstanding this it was possible to declare a dividend of 6 per cent on the stock issued.

The transmission of the annual report and the dividend was responsible for the shower of congratulations we referred to. Perhaps we cannot show the sentiment toward Up-to-Date Farming and those who have piloted it in the past better than to make extracts from a few of the letters which we do as follows:

Mr. J. A. Everitt, President Equity Pub. Co.
My Dear Sir:

In acknowledging, with thanks, receipt of check covering dividends on shares of stock in the Equity Publishing Co., I desire to congratulate you on the measure of success which has come to the company as the result of the excellent management of its executive board during the past year.

It is not often that success, justifying a dividend, will follow the first year of the incorporation of a company of an industrial character. And while I felt confident that my stock would in a reasonable time be a paying proposition, knowing as I did the honest energy and effort behind it, the check came to me this morning as a pleasant surprise. I can sincerely say, that, while far from being unappreciative of the value of money, I prize the check more highly because of the evidence of prosperity in the house of my good friends more than for any other reason.

I can scarcely write you, Mr. Everitt, even "officially" without a little of the personal touch to my letter, in thus, taking the opportunity to express to you how glad I am at all times to know of the success of anything you are a part, feeling that for all the undeserved vilifications, blackmailing and backbiting to which you have been subjected by men who were not worthy to set at the same table with you, you certainly do deserve that during the balance of your life nothing but success in a business way, and the commendation of all whose good word is worth having, should be yours. That these may all materialize into realities is the hope of

Yours sincerely,
CHAS. HOPKINS, N. Y.

Feb. 21, 1910.

Dear Mr. Everitt, President.

Yours of 18th inst. with report of the meeting of the stock holders of the Equity Publishing Company received and I note with pleasure the success that has been attained in the year just past. Especially is the dividend that you were able to pay pleasing to me as it was entirely unexpected as I did not think it was possible for a business to develop to that point in one short year. It certainly looks as though Up-to-Date Farming is on the road to permanent success. The past year's association with you and our paper has been very pleasant to me and I trust that each year will add to your advancement and bind closer together, if possible, the friendly ties that now exist.

Yours cordially,
D. C. BROWN, Illinois.

Feb. 23, 1910.

Fat is Dangerous

It is unsightly, uncomfortable, spoils the figure, causing wrinkles, flabbiness and loss of vigor.

Let me send you my Proof Treatment absolutely Free; you can safely reduce your fat a pound a day.



Note what my treatment has done for others:

Mrs. Eva M. Reynolds, Box 114, Lehigh, Webster Co., Iowa, writes: "When I commenced your treatment I weighed 285 pounds. I now weigh 165 pounds, and never felt better in my life."

Mrs. W. D. Smith, Box 34, Abbott, Me., writes: "I have lost 51 POUNDS by your treatment. I used to have heart trouble and shortness of breath; now I am well and can walk and work with ease."

Miss Dicie Wilson, Box 78, Franklin, Tenn., writes: "I have lost 69 POUNDS by your treatment and I feel like a new person."

I could fill every page of this journal with testimonials from grateful patients.

It is dangerous, unsightly, uncomfortable and embarassing to be too fat. Excess fat weakens the heart. The liver, lungs, stomach and kidneys become diseased, the breathing becomes difficult and the end comes in **HEART FAILURE** and sudden death. You can save yourself from these **DANGERS.**

I want to prove to you that my treatment will positively reduce you to normal and no matter where the excess fat is located, stomach, bust, hips, cheeks, neck, it will quickly and safely be reduced without exercising or dieting. **Your figure will be beautified; flabbiness and wrinkles disappear.** Rheumatism, asthma, shortness of breath, kidney and heart troubles leave as the fat goes away. I will send you without a cent of expense on your part, my PROOF TREATMENT FREE. It reduces fat at the rate of a pound a day and does it safely and permanently. **FREE**

Don't miss this offer. My PROOF TREATMENT is FREE. It will make you feel better at once. I will also send you **Free** my **new book of advice,** together with testimonials from many well known people. **Write to-day.**

H. C. BRADFORD, M. D., 20 E. 22d St., 6 A, NewYork
(Licensed physician by the State of New York.)



This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

QUESTION. *I think Up-to-Date is very helpful in many ways. I want to know whether broom corn can be raised in Oregon and something about the culture.—J. P. C., Tacoma, Wash.*

ANSWER. Write to Orange Judd Co., New York City for list of rural books and select one on broom corn culture, also ask the Oregon Agricultural Experiment Station, Cornvallis, Ore., about adaptability of soil and climate to its culture. I also advise you to plant a small plot this year for test.

Q. *Please send us all instructions about incorporating our local union under the New York State laws. We want to do this and then raise funds for building our utilities to store and market or manufacture our products.*

A. The following requirements must be met in your state:

1. The name of the corporation. 2. Its purpose. 3. Amount of capital stock. 4. No. of shares of capital stock. 5. The par value of the shares (In your state they must not be less than $5, nor more than $100). 6. Principal place of business. 7. Term (years) the corporation shall be in existence. 8. Names and postoffice addresses of those who sign the corporation papers and the amount of stock each proposes to take. 9. Number of directors, which must not be less than 3 nor more than 13. 10. Names and post office addresses of directors for the first year. 11. Any other provisions for regulation of the business activities of the corporation or limitations of its powers and the powers of its officers and stockholders. 12. In your state the corporation shall not incur debts until the capital stock is paid in, in money, or property, or work.

If you will send headuarters of the Farmers Society of Equity $5.00 the incorporation papers will be prepared in blank and you can fill in name, amount of capital stock, etc., etc. Or have a meeting, decide the points and send full information and they will be sent to you complete. Of course a home attorney can prepare the papers for you, but we recommend that they be drawn by headquarters so three will be a uniformity among all locals.

When you get the incorporation papers, send them to your State Secretary with $10.00, the fee for filing and an additional 15 cents for each 100 words for recording. The Secretary of State will certify the corporation back to the Clerk of your county who will charge 6 cents for filing the papers and 10 cents per 100 words for recording the articles. The articles will be brief and the total cost will be about $20.00.

You will also pay to the state treasurer, a tax of one twentieth of one per cent. of the capital stock.

Q. *I have some well-bred stock and two of them have lump jaw. What shall I do?*

A. Fleming Bros., Chicago, Ill., manufacture a remedy. Ask your state veterinarian care Experiment Station, Ames, Iowa, for advice.

IN COLLEGE

"How is your son getting along in college?"

"Very well, I guess. He is half-back in the football team and clear back in his studies!"

Slaughtersville, Ky., March 5.
UP-TO-DATE FARMING:

Please publish the following resolutions passed at our meeting this day:

RESOLUTIONS

"Resolved, first, It is the sense of this meeting that it will be good policy for the association to adopt the five-year plan for pooling tobacco.

"Resolved, second, We are persuaded it is the duty of our neighbors to help us pool 100 per cent. of our 1910 crop, and if they won't pool, we insist on their not raising tobacco.

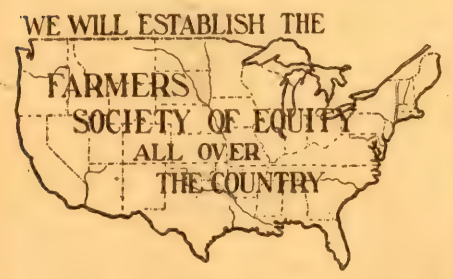
"Resolved, third, That for the future all sales of association tobacco shall be made with the stipulation that it shall be received in houses where no dumpers' tobacco is received. And we declare it against the rules of the association for any one who has pooled his tobacco to take and deliver any unpooled tobacco with his own.

"Fourth, That after the books close meetings of members of this association be held behind closed doors.

"Fifth, We say to the buyers we feel they have fairly performed their contracts with the association, and we feel assured they have met with the same honorable treatment from the association. We affirm the dumper has been a pull-back to the prosperity of the association and the community at large; we therefore respectfully ask the tobacco buyers as citizens of Kentucky to let the dumpers go.

"Sixth, That when the books close in the year 1910 they remain closed for five years, and after the books close in any district if ony committeeman takes a dumper in, said committeeman be asked to resign."
—W. A. S.

ORGANIZE YOUR LOCAL NOW, BEFORE THE BUSY SEASON



Send the coupon below, today, and see how quickly you can have a local union at your place. We will make it easy and pleasant for you to organize one.

Free Instructions Coupon

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Please send me free full particulars how to organize a local union of the

Farmers Society of Equity, at .....

..... State .....

which is my shipping station. Also instructions how to build and own our local union meeting house, warehouse, elevators, etc.; how to market our crops co-operatively with growers of like crops in all parts of the country and the advantages to be derived from this course.

NAME .....

ADDRESS .....



FOR NIGHT TRAVEL

Between CHICAGO, ST. LOUIS and KANSAS CITY choose "The Only Way"

Chicago & Alton R. R.

Electric block signals, electric search head-lights, electric lighted trains, over a completely rock-balasted roadway underlaid with boulders and underdrained with tile.

A Railroad with Character

GEO. J. CHARLTON, Passenger Traffic Manager — R. J. McKAY, General Passenger Agent

Spring Has Come!

This is the Time to Get Your Flower Seeds and Spring Beauties Post Cards



I HAVE made many liberal offers to our subscribers and friends to renew and send new subscribers but I think this one surpasses all others. Read it carefully.

In the spring thoughts turn to flowers and poetry and the beautiful things in nature. Old things are then put away and new things are put on; new clothes and new ways. Even nature puts on her fresh, new raiment.

I want to keep in tune with the Spring season and now make my readers a combined offer of

10 Packages of Beautiful Flower Seeds and 25 Spring Beauties Post Cards

Read my offer below. The flower seeds are all easy to grow kinds that can be planted in May and this is a rare opportunity to get them and the most helpful farm paper printed. There are 10 Packets of Seeds.

The **SPRING BEAUTIES** post cards were selected with special reference to their appropriateness for Spring and Summer correspondence or they will be a splendid acquisition to any collection. There are 25 of them. They are produced in 12 printings, finished in gold or silver and embossed. On each card is a charming flower and on many of them are appropriate verses.

My Wonderful Offer

To any person who will now subscribe or renew his subscription, and send a new subscriber (Both for only 50 cents) I will send the 10 pkts. of flower seeds and 25 SPRING BEAUTIES post cards.

Every present subscriber is invited to embrace this offer. If paid in advance your time will be extended.

If you cannot send a new subscriber then send your own for two years.

Fill out the coupon and send right away. Even if your subscription has not expired would you not better embrace this offer and have it extended a year? The subscription price will never be lower, but it will soon be higher.

All orders will be filled the day they are received.

SPRING BEAUTIES

UP-TO-DATE FARMING,
Indianapolis, Ind.

I enclose **50 CENTS** for my subscription and a new subscriber, each for one year and the premium of 10 Pkts. of flower seeds nd 25 Spring Beauties post cards as offered in April 1st number. (If you cannot send a new subscriber then write your address only and you will get the paper two years).

Are you a new or old subscriber?.....

My Name .....

My Address .....

My Friend's Name .....

His Address .....

J. A. EVERITT, Editor Up-to-Date Farming, Indianapolis, Ind.

MOVING PICTURES OF DAN PATCH 1:55









FREE

MAILED STOCKOWNERS WITH POSTAGE PAID.

THIS IS A SENSATION OF THE WONDERFUL WORLD CHAMPION AND GREATEST TRIUMPH IN THE MARVELOUS AND REALISTIC MOVING PICTURE ART

It is a New Invention that you can carry in your pocket and show your friends instantly day or night, either once or a hundred times and without a machine, curtain or light. It is the most Attractive Novelty and most pleasing Dan Patch Souvenir ever Invented and shows Every Motion of Dan Patch 1:55 in pacing one of his Marvelous and Thrilling World Record Miles and it is Absolutely True To Life.

I want to assure you that it is the most successful Moving Picture ever taken of a world champion horse in his Wonderful Burst of Speed. If you love a great horse and want to be able to see him in Thrilling Motion Pictures at any time as long as you live **Be Sure And Accept My Remarkable Offer Before They Are Gone.**

I reserve the right to stop mailing these very expensive moving pictures without further notice, as this is a special free and limited offer.

A MILE OF THRILLING RACE PICTURES,

2400 MOVING RACE PICTURES OF DAN PATCH 1:55

and every one of the 2400 pictures shows the King of all Horse Creation as plainly as if you stood on the track and actually saw the mighty Dan Patch 1:55 in one of his Thrilling Speed Exhibitions for a full mile. Just think of it! **2400 Moving Pictures Taken Of Dan** in 1 minute and 55 seconds means 21 pictures taken for every second all of the way around the entire mile track from the back seat of a high power automobile.

You Can See Dan Shake His Head To Let His Driver Know That He Is Ready And Then You Can Watch Every Motion Of His Legs As He Flies Through The Air With His Tremendous Stride Of 29 Feet. As A Study Of Horse Motion Alone This Is Better Than If You Saw The Actual Speed Mile Because You Can See Dan Patch Right Before You For Every Foot Of The Entire Mile And Not A Single Motion Of His Legs, Body Or Head Can Escape You.

You can see his Thrilling Finish as he strains every nerve and muscle to reach the wire in record breaking time, you can see his driver dismount and look at his watch while thousands of people crowd around, you can see his caretaker force his way through the crowds, uncheck Dan and then throw a beautiful woolen blanket over him to prevent catching cold and then you can see him walk up the track before a Madly Cheering Multitude of 90,000 people.

Wherever the Original Moving Picture, of the Fastest Harness Horse In The World, is shown, people involuntarily call out "Come on Dan"—"Come on Dan." The Original Moving Picture Of Dan Patch Pacing A Great Mile Is The Most Realistic, Thrilling Picture You Ever Saw. I Have Taken a Large Number Of The Original 2400 Wonderful, Pictures And Made Them Into A Newly Invented Pocket Moving Pictures that you can easily carry with you in your pocket and show to your friends at any time, day or night. It does not need a machine, it does not need a curtain and it does not need a light. It is all ready to show instantly, either once or a hundred times.

CREATES A SENSATION WHEREVER SHOWN.

If you admire a Great World Champion who has gone more Extremely Fast Miles than All of the Pacers and Trotters Combined that have ever lived then I am sure you will write me today for one of my Wonderful Moving Pictures of the King of all Harness Horse Creation, Dan Patch 1:55. ☞The Reduced Pictures On This Page Show Dan In 14 Different Positions. YOUR MOVING PICTURES WILL BE MUCH LARGER IN SIZE AND NUMBER.









MY NEW, POCKET MOVING PICTURES MAILED FREE TO ALL STOCKOWNERS

With Postage Prepaid---If You Are A Farmer, Stockman Or Poultry Raiser I Require A Correct Answer To These Three Questions. ⟶ **Be Sure** and Answer These Questions.

1st. In what paper did you see my Moving Picture Offer? ***2nd.*** How many head Each of Horses, Cattle, Sheep, Hogs and Poultry do you own? ***3rd.*** How many acres of land do you own or how many acres of land do you rent? ☞ I Personally Guarantee, Free To You One Of These Marvelous Moving Pictures, If You Write Me Today. You cannot buy them for $5.00 each. — Signed,— **M. W. SAVAGE**

IF YOU ARE NOT A STOCKOWNER AND WANT THE PICTURES SEND ME TWENTY-FIVE CENTS FOR POSTAGE,

Packing, etc., In Silver or Stamps and I will mail you this wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world has ever seen. -- If you send me Twenty-five Cents in Silver or Stamps--EVEN if you do not own any stock or land, I will mail it to you postage prepaid. It costs Thousands of Dollars to have these made.

☞ **Write At Once to - - M. W. SAVAGE, Minneapolis, Minn.**

I OWN THE 5 FASTEST WORLD CHAMPION STALLIONS EVER OWNED ON ONE FARM IN THE HISTORY OF THE WORLD.

TWO WITH RECORDS BELOW TWO MINUTES.

On my "International Stock Food Farm" of 700 acres I own Dan Patch 1:55, Minor Heir 1:59½, Directum Jr. 2:10½, Arion 2:07¾, Roy Wilkes 2:06½ and also about 200 head of Young Stallions, Brood Mares and Colts and they eat "International Stock Food" every day. I will be pleased to have you visit my farm at any time and see my horses and their splendid condition. I feel sure that you never saw their equals at any Fair or Horse Show. **ACTUAL TEST IS WHAT PROVES EVERYTHING IN THIS WORLD.** If "International Stock Food" gives paying results for the highest priced horses in the world on my farm it certainly will pay you to use it for all of your stock. Remember that if it ever fails to give your Horses, Cattle, Sheep or Hogs, better assimilation and digestion, purer blood and perfect health with quick growth and fattening that it will not cost you a cent no matter whether you have used one hundred pounds or five hundred pounds and you are to be not only the user but also the sole judge of results. I will leave the entire matter for you to decide and accept your own statement. **How the United States Government backs my claims that "International Stock Food" is strictly a medicinal tonic, blood purifier, etc.** During the Spanish-American War, United States officials made a special examination and decided that "International Stock Food" was strictly medical and I paid $40,000.00 patent medicine war tax. Can any honorable man deny this evidence? "International Stock Food" and label design is registered in Medicinal Department as a Trade Mark No. 52791 giving it commercial standing and rights as a distinctive

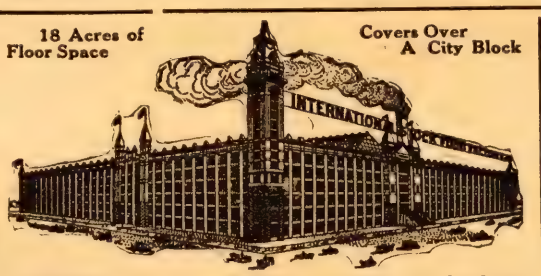
"TRADE NAME" FOR A MEDICINAL, TONIC PREPARATION

The United States Government issued me a Trade Mark No. 22886 on the world famous lines, 3 Feeds for One Cent - as showing how cheaply International Stock Food can be mixed with the regular grain feed - My label shows a list of the medicinal ingredients used and 250,000 Dealers have sold "International Stock Food" for over 20 years as a medical tonic preparation.

Write to M. W. SAVAGE, Minneapolis, Minn.

---

18 Acres of Floor Space — Covers Over A City Block



INTERNATIONAL STOCK FOOD FACTORY

LARGEST IN THE WORLD

OVER 800 EMPLOYEES

International Stock Food	Dan Patch Stable Disinfectant
International Poultry Food	Dan Patch White Liniment
International Compound Absorbent	International Worm Powder
International Pheno-Chloro	International Hoof Ointment
International Distemper Remedy	International Sheep Dip
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International Colic Remedy	International Hog Dip
International Louse Killer	International Harness Soap
International Louse Paint	International Gopher Poison
International Gall Heal	International Worm Remedy
Silver Pine Healing Oil	International Healing Powder
International Heave Remedy	International Quick Blister

ASK YOUR DEALER FOR ANY OF THESE PREPARATIONS

and insist on having what you ask for. Beware of many cheap and inferior substitutes and imitations. High Class Dealers Sell My Preparations on my Spot Cash Guarantee to refund your money if they ever fail.

PRESENT SALES LARGEST IN THE HISTORY OF THE BUSINESS

Signed, **M. W. SAVAGE,** *Owner of International Stock Food Co. — and also — International Stock Food Farm.*

DO YOU EXPECT TO SEE THE DAY WHEN THESE WONDERFUL DAN PATCH 1:55 RECORDS WILL BE EVEN EQUALLED ?

DAN PATCH 1:55 HAS PACED

1	*MILE IN*	*1:55*
1	*MILE IN*	*1:55¼*
2	*MILES IN*	*1:56*
14	*MILES AVERAGING*	*1:56½*
30	*MILES AVERAGING*	*1:57½*
45	*MILES AVERAGING*	*1:58*
73	*MILES AVERAGING*	*1:59½*
120	*MILES AVERAGING*	*2:02½*

DAN HAS BROKEN WORLD RECORDS 14 TIMES

In addition to all these records Dan Patch is proving to be one of the Greatest Sires of both pacers and trotters in all horse history - Look up his large official list of Standard Performers.

Dan Patch 1:55 has gone more Extremely Fast Miles than the Combined Miles of All The Trotters and Pacers That Have Ever Lived. Be sure and remember these facts when you think of any Horse equalling Dan's Wonderful Performances.

For Seven Years Dan Patch has eaten "International Stock Food" every day mixed in his regular grain feed. It has given Dan Purer Blood, More Strength, More Endurance, More Speed and Perfect Health. It is constantly used and strongly endorsed by over Two Million Farmers and Stock Breeders, as the Greatest Animal Tonic, and has been for 20 years. No other preparation has such strong United States Government and practical Stock Breeders Endorsement, as has International Stock Food.

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, APRIL 15, 1918 | Number 8

FARMERS, ARE YOU PREPARED TO OPPOSE THIS?

A Representative of the Northwestern Milling Trust went East, and this is what he is reported as saying:

> **"The great Northwest, beyond the Canadian border is raising wheat, more and more all the time, but against it we have raised a Chinese wall, for the 25 cents duty is practically prohibitive.**
>
> **"Unless we take the tariff off wheat it will not be a great while before there is a serious shortage in our supply.**
>
> **"If we ever get free wheat the Eastern part of the country will have to bring it about."**

So we say "Farmers, Are You Prepared to Oppose This?" With the strong milling interests back of it, and the monopolistic East being enlisted, and the universal cry from consumers against the high cost of living, the danger may be more imminent than we know.

But read the editorial. It may spur you to greater activity in organization and co-operation. See page three of this issue, **"American Wheat And Its Price."**

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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American Wheat And Its Price

A representative of the Northwestern milling trust has been east, and of course he made known the object of his trip. Recognizing the East as the center of the monopoly interests, he evidently hoped to enlist those interests for, or to ally them with, the milling interests against the producers of grain. In plainer words, his purpose manifestly was to secure the repeal of the tariff on wheat. Claiming that the American wheat growers are not supplying the demand, and that the people will soon be suffering for bread, he asserts, or at least is so reported, that "the great Northwest beyond the Canadian border is raising wheat, more and more of it all the time, but against it we have raised a Chinese wall, for the 25-cent duty is practically prohibitive." He then continues: "Unless we take the tariff off wheat it will not be a great while before there is a serious shortage in our supply."

Then he explains why he went East. "If we ever get free wheat the Eastern part of the country will have to bring it about." He would marshal the non-wheat producers to compel the wheat producers to accept the dictum and prices of the milling trust. That is the proposition the wheat growers are facing today, and their future success, their business itself, the returns from their land and the value of their labor, depends upon how they meet it.

Now, the wheat growers and the millers ought to be the very best of friends. Their interests are so closely interlocked that they cannot afford variance or antagonism. The farmers are not short in the production of wheat. The total crop varies with the years, as it necessarily will, but the aggregate is well maintained, and growing, in fact, as population and other things increase. Not a year passes that more or less American wheat is not shipped abroad.

But the gentleman we are discussing claims that the millers are not making enough on their flour, that "the long headed crop raisers hold their wheat until it will bring the price they (the crop raisers) have fixed." So it is the PRICE rather than the quantity that is troubling the millers, and they want the tariff removed to force down the price!

Who makes the price of the flour? Nobody disputes the right of the millers to do that. Very recently we showed in this paper how these very people build up the price; exorbitant, unfair and unjust to the consumers it may be, but they had the right to do it. The flour was theirs, and they could make the price at which they would dispose of it. The wheat belongs to the grower. Has he not the same right to put a price upon what is his?

Besides, the farmers have never learned the price—building process the millers, have. They have never figured in every little turn they made to produce the crop,— claimed exorbitant profits, and put extortionate prices on wheat. An occasional speculator who does not grow wheat, but who truly and falsely gets control of the supply, or makes it appear that he has, may have done so at times; but the farmer never.

What, then, is the matter with the millers? Do they want to price the whole proposition as most others do? Do they want to tell he-farmer what he must take for his wheat, and then tell the bread eater what he must pay for his flour, gratifying his insatiable greed between the two? That is in accordance with the demands of monopolistic combinations, and it is to secure that end that the millers want the tariff removed from wheat. But it is too much. The farmers at least ought to know where to call a halt, and they should make themselves heard.

But would the millers really gain by the removal of that tariff? They might cripple their own best supply, but would they get cheaper wheat? As we have already said, America raises enough and to spare, and every year we export wheat in competition with that same Canadian wheat. Hence Canadian wheat grows in price as does our wheat while crossing the waters. Would it not do the same in crossing the border? Canadian farmers have no greater wish to be made playthings of than have American farmers.

But for mere argument's sake, let us consider the final climax of the proposition put forward by these people. Admit that the American supply is falling short, that, on account thereof, the tariff has been taken from wheat to let in the free product of other lands, and therefore the price of wheat has been forced down 25 cents on the bushel. Would not that reduction of price take just that much from the farmers' ability to improve his lands, to recuperate his soils, to adopt better methods of culture, and to procure better seed? Would it not be a constant bid for him to seek other lines of farming, and leave the production of wheat to those who had driven his business below the profit line? These are questions worth considering should the millers plans for price reduction succeed.

So far as we are concerned, we do not build upon the tariff anywhere; but if there is protection in it the farmers are as much entitled to that protection as is any other class of people. Certain it is they pay for the protection of those whose commodities they buy, and they should and will hold to accountability those who would deprive them of that protection.

Market Trusts Indicted

NOT long ago we spoke of the selfish interests that had got control of the city and town markets, and had driven out those who produced commodities for sale and who wished to sell them at reasonable prices to the consumers of such products.

Since those articles were written, 88 persons at the head of the live poultry trust of New York, have been indicted by a Supreme Court grand jury of that State. The jury reported that all the market stalls in the West Washington market were controlled by the trust, and that it was impossible for an independent dealer or producer not in the trust to rent a stall.

The men indicted are the leading spirits in the New York Live Poultry Commission Merchants' Protective Association, the East Side Live Poultry Dealers' Association. Among the indicted are shippers, receivers and sellers. It is claimed that the evidence shows that the jobbers agreed weekly upon the price they would charge the wholesalers, and that it was agreed also to sell poultry to none but their customers so as to give both themselves and their customers a monopoly of the poultry trade. And not only this, but the proof shows, it is alleged, that the receivers and dealers met three times a week and made prices that should be paid to the producers of poultry, and these prices were sent out as the New York market quotations.

This is but another case only recently brought to public notice. It is doubtful if the prosecution effects any good results. So long as the material is obtainable these combines will find a means of controlling the trade. The only relief for the producers, and that must necessarily be a relief for the consumers as well, is for the producers to put themselves in a position to control the production and marketing of their own stuff. They may thus revolutionize both price and trade, and break up the whole ruinous system that now prevails.

WHAT FARMERS WERE AND ARE AND WILL BE

PROF. L. H. Bailey sees a rise, and a fall, and a rise again in the history and horoscope of agriculture. After the mere shadow of adventurers that came to the New World, farmers came and made the settlements. The pilgrims were farmers, and their opening up of the country's resources was interfered with only by the exigencies of the new life. In the days of Washington and the old Virginia planters, farming was the business of the wisest and greatest men of whom the country could boast. The accredited population was the farming population, and the men sought after for distinguished places and honors were farmers. If a great enterprise was to be developed or a great obligation secured a farmer was sought for its accomplishment.

Then came the day of the merchant, the manufacturer, the banker and the professional. The soil tiller began to be looked upon as of a menial calling; a person to be exploited; a citizen, but a subservient one; a producer of great things, but things to be priced and taken and made a basis to build fortunes on; an elector of officers, but rarely a filler of them; a provider of palaces but not an occupier of them; a maker of the country's greatness and wealth, but neither a director of that greatness nor an enjoyer of that wealth. The tide set away from the farm. Population drifted toward the cities and centered in the factories and the shops, thus creating a class of labor and a professional class, the farmer standing out alone as a rural entity, a "Country Jake" or "Hayseed."

But Prof. Bailey is of opinion that the pendulum is ready to swing back again. He sees the return in the progress that is being made on the farms and the visible improvement in country life. The farmers themselves are acquiring higher ideals, and the schools are reaching out for greater things on the farm. We see the same signs and hail them with delight. But we see a greater and more unmistakable one. The farmer is becoming a business man. He is learning what is his own, and he is beginning to understand how he may quietly, peaceably, equitably and fairly regain it, or make it available for himself. No revolution. Nothing arbitrary. Only a business man, applying the universally accepted and approved rules of business—simply controlling his own and attending to his own business. That is nothing more than to regain what he lost when the pendulum swung away from him to the more aggressive classes. As it swings back he simply assumes his own, and the tide of numbers and of power, and of greatness as it has always been of usefulness, sets in the direction of the farm, and finds its home in the fields.

All hail the schools and the work they have done; the spirit of Equity and Progress that is brooding over the world; the rural mind that is bursting from its chamber of long repose as the roses burst from the buds in spring, and all the other bright, almost sacred, influence that are helping this great new development that is bringing back to agriculture what it was when the world was young. Farmers to the front!

UP-TO-DATE FARMING THE ONLY ONE

I have on my table seven farm paper and Up-to-Date Farming is the only one among them that teaches the farmer how to increase his profits, without overworking himself and his family. All the others teach how to produce more which means more work and less money, because the larger the crop the smaller the price. Farmers, let's read UP-TO-DATE, act on its advice and set the price on our own produce.

J. U. CHURCH, Clintonville, Wis.

Agricultural Schools And Experiment Stations

SOMETIMES party chosen "experts" in the departments do such funny things that we cannot refrain from laughing at them, but Up-To-Date Farming wishes, not to go on record, but to remain on record where it has always been, as an enthusiastic friend and advocate of agricultural schools and experiment stations. Farming is no more like it used to be than the schools and colleges are like they were before an awakening mental vision discovered anything of science in the cultivation of the soil and the growth of the crops it produced. Agriculture would not now give up its schools any more than it would surrender its improved machinery and methods, and the whole world would protest such a suggestion and rebel against such action were it attempted. Starvation would inevitably follow a return to the old method of farming. The reaphook, the scythe and the cradle met the conditions of their day, but they would leave the people of this day without both food and raiment. The future will witness constant advancement; never a retrograde. The schools are directed and taught by men (and may we not also say women) of active mind, progressive thought, untiring research and patriotic impulse, and they will make discourses, as such men and women have done in the past; and when the boys and girls of today preside over the farms of the very near futrue, none but a prophet can tell the conditions that may surround them and the means of accomplishment that may be theirs.

And almost every advancement may be traced to the schools. The minds that have been broadened and polished there, the ambitions that have been stimulated, and the hands that have been trained and taught how, have done it. Every farm boy in an efficient agricultural school and every girl in the home or domestic science department, is a pledge of better things for the farm and farm life.

And the practical lever so effectively used by the schools is the Experiment Station. Here not only progressive thought but progressive action, is brought into full play, and what science declares is put to the test and verified. Teaching is not enough; doctrines may sometimes appear sound when they are not, and theories, however, attractive, may fail. The experiment stations try them out—prove the soil, test the seed, demonstrate the methods, and show the results.

Are farmers sufficiently availing themselves of the opportunities and advantages afforded by these institutions? Are they watching the development of methods, the analysis of soils, the demonstration of the adaptability of crops, and the testing of seeds? Are they always employing only the best, as they well may with modern facilities?

These institutions do not hide their light under a bushel. Bulletins are issued, free to the farmers, when there is anything of importance to communicate. It does not require a collegiate education to get benefit from these bulletins. While they are strictly scientific in their preparation and teaching, they are not written for the schools alone, but for the farmers, and every reading farmer may get from them what the scientists know and have tested and proven.

The bulletins may be had for the asking. Give your address to your station or stations, and get the bulletins. They are issued at the expense of a common fund, and every farmer is entitled to them. A list of bulletins may be found in each issue of Up-to-Date on the "Telescope" page, given for the benefit of our readers.

We are anxiously looking for and expecting a still wider range of usefulness for the agricultural colleges and stations. Heretofore the great aim has been the increase and improvement of production, a field worthy of the very best endeavor. But there is another side to farming whose importance cannot be over estimated, and upon which the financial success of farming depends more than it does upon production. It is the selling or marketing side, the conversion of the surplus products into the means of obtaining other things. A surplus is not available until it is converted into cash that may in turn be converted into all needed commodities, or even into pleasure, prosperity and independence. And the securing of these, the profits of the crops, depends upon the equity of the price, the equitable correspondence of the price received for the crops and the price charged for the commodities that must be bought. This involves not only a knowledge of marketing, but a knowledge also of supply and demand, with the cooperative ability to make these correspond. To a knowledge of this side of farming the schools are awakening, and that will lead to a development that will amaze the world.

Great Interests In The Northwest

NOT many are aware that great monopolistic interests have developed in the Northwest, but the Ballinger charges and the rather remarkable congressional investigation of them, are opening up things that have heretofore been as a sealed book to the general public. These investigations serve as schools, schools of scandal it may be, but they tend to educate the people if they accomplish nothing else.

Eugene P. Lyle gives in Hampton's magazine for March, an interesting account of how a great interest may grow up and become a monopoly. Smelting is an important factor in mining operations. It separates the metal from the dross, and wherever mining, especially of the precious metals, is extensive, smelting, if under a single control, may dominate and rob the miners as the option dealers, the packers and combined cold storage plants dominant and rob farmers and consumers.

In the early history of Northwestern mining the smelting business was controlled by a trust. This trust, our readers will be surprised to learn, was dominated by the Standard Oil company, and the late H. H. Rogers, Standard Oil magnate, was a conspicuous figure in the smelting business. The company was known as the American Smelting and Refining company, and, like the Standard Oil, it was incorporated in New Jersey. This company was capitalized at $65,000,000. It owned eleven smelting plants, and, it is said, had an annual earning capacity of $3,000,000. The miners were, of course, compelled to bring their crude metals or ores to these smelters for refining, and, since the same company owned practically all the smelters, they could charge what tolls they pleased, and the miners could not help themselves. Their first year's production, it is claimed, was 1,200,000 ounces of gold, 40,500,000 ounces of silver, and 160,000 tons of lead. The profits the monopoly reaped from this output is stated to be $3,524,961. And this, too, just after silver had been demonetized, and that metal had become practically worthless compared with what its value had been before. Of course the miners were dissatisfied with the extortions, and were restless.

It was at this time that the Guggenhelms, father and seven sons, that have figured so conspicuously in the Ballinger-Pinchot controversy, came onto the scene. Their contest with the Standard Oil smelting trust is a longer story than we need to tell. For once the Standard Oil met more than its match. The Guggenheims could neither buy it up nor drive it out of the field; but they did force a reorganization, and in that battle the Standard Oil was outgeneraled and beaten. The Guggenheims controlled the reorganization, and henceforth owned the trust. Thus, says Mr. Lyle, the Guggenheims secured complete mastery of the lead-silver business in the United States, and that whole industry, and the states dependent upon it, were at the mercy of the new combine. It also had control of the bulk of the gold production. The total annual gold product of the United States is about 3,829,897 ounces. Of this the trust produced two million ounces, or more than half of the whole production of the country, and one-sixth of the entire production of the world. In addition to this, of 329,658 tons of desilverized lead in the United States, the trust produced 300,000 tons, or nine-tenths of the whole output. It also turned out nearly a hundred million pounds of copper, or one-eighth of the total output of that metal.

This was the work of the trust in its infancy. It is constantly exending its operations, and now covers the backbone of the continent from South America to the Yukon. All the time the gigantic processes of acquisition are going on. So far as known the Guggenheim interests include the American Smelting and Refining company, capital $100,000,000; the American Smelters' Securities company, $77,000,000; the Guggenheim Exploration company, $22,000,000; total, $199,000,000. They entirely dominate the smelter interests of Colorado, Nevada, Utah, Arizona, Montana, Idaho, California and Washington, and with characteristic pertinacity, are grasping for Alaska with its treasures of coal, copper, lead, silver and gold.

Out of the encroachments of this and other companies in the Northwest grew the Ballinger-Pinchot controversy, and possibly before this reaches the reader, the government at Washington will have given another lesson as to the power of these gigantic treasure seizing combines.

Up-to-Date

THE FARMER AND HIS ALLIANCES.

TO ACCOMPLISH anything like independence in the management of their business farmers must co-operate. But with whom? Those of their own calling, of course. Farmers naturally sympathize with all classes of labor, and they exercise the most kindly regard for labor unions. They are even willing to make sacrifices and have done it, to aid organized labor in its struggle and they even stand ready to do so within the bounds of equity and human reason. But the struggle of organized labor is different from that of the farmers. The wage laborer sells his time and toil, and if he is imposed upon it is by an employer or "boss." He is within the avenues of a city, the confines of a shop, the tunnels of a mine, or somewhere along the lines of transportation or city services.

The farmers do not sell their labor, but the products of it. They are scattered over a broad country and do their work in the fields. Their contention is with a system instead of with a man or men. A law of proportion and necessity registers the price of their stuff, and their fight is to restore that law against the contemptous ignoring of it by the self-created marketing machines.

These differences in conditions make necessary a difference of organization and of method.

Hence the two classes must make a separate contest. They may be friends, and are friends, but an attempt at combination would harm both. It was attempted by the F. M. B. A., the Alliance and the Knights of Labor, and it failed, as it necessarily must at any time. Besides, we must confess that organized labor has some methods that organized agriculture could not endorse. They may be necessary to wage labor, but farm conditions do not require them. We are in favor of the most friendly relations and co-operation, but union is impractical.

Up-to-Date

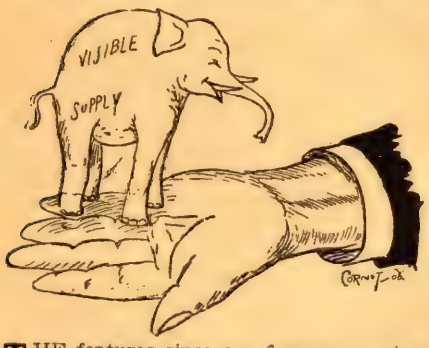
ARBITRARY BUTTER PRICES

IN an inquiry in Cincinnati into the prevalent prices of butter, it was admitted that the Elgin exchange controlled the price; and in the face of that admission, Mr. Nat Longfellow unhesitatingly declared: "The Elgin quotations are bogus, and are not regulated by the law of supply and demand." "For fifteen years," he continued, "the people of Cincinnati have been duped out of from five to sixteen per cent. of the price of butter as indicated by supply and demand."

And so it continues. There is an awakening. The rottenness of the old trade system is being discovered. The farmers and producers want profitable prices, but they want equitable and steady prices. They want prices upon which they may rely, but they wish their stuff to go to the users free from the graft so easily exacted by the trade combines. When actual supply and demand has determined an equitable price, the farmers are willing to accept it, and then they wish the consumers to have it at only an equitable advance. They are uncompromisingly opposed to the system that beats the price to them down below the line of profits, and then forces the price to consumers above an equitable margin. Can we more strongly urge farmers to act in this matter

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



THE features since our former report are the breaking of the severe drought, activity in agricultural work under favorable conditions, increase in visible supplies of grain, against decreases during the same period last year, and declines in prices of nearly all farm comodities.

The much neeeded rain that has fallen over nearly all of the drought afflicted regions has improved the wheat prospects and will serve to give the spring-planted crops a good start. The exceptionally fine weather permitted of putting in a large acreage of oats and the preparations for the corn crops and spring wheat are well advanced and on a similarly large scale. Winter wheat fields that were abandoned will largely be put in spring or summer crops. Taken altogether the acreage of crops this spring will exceed all former records.

The government crop reports as of April 1st we summarize as follows:

A winter wheat crop of 473,000,000 bushels is suggested. It compares with 424,000,000 bushels a year ago and 446,000,000 bushels as the final yield last year. The condition April 1, 80.8, is the lowest since 1904, when it was 76.5. In December the condition was 95.8. The drop is 15 points, which is unusual. The condition last year was 82.2, compared with 91.3 in 1903 and a ten-year average of 87. The lowest conditions are in Kansas, Nebraska and Missouri, where there is the largest acreage. The highest showing is in the Pacific coast states and in the south. There is no mention of the acreage abandoned and it will not be reported until next month. This leaves the report of comparatively little value and the only way to get a definite basis is to allow for a reduction in the acreage. The preliminary estimate, based on government figures in the thirteen states of largest production, shows 360,800,000 bushels, or 30,000,000 bushels more than indicated a year ago, and 23,000,000 bushels above the final estimate last year. These figures are likely to be materially reduced in later reports, when the abandoned acreage is eliminated, as losses are mainly in the states of Kansas, Nebraska and Missouri, which have the largest acreage. There is a chance, however, of an improvement in condition to partly offset the loss in acreage.

The behavior of the markets again confirm our oft repeated statement that the visible supply is the pulse of the market, and in proportion as the visibles increase the prices decline and vise versa. Therefore the power that will regulate the visible supply, or obliterate it, will be the power to make the prices.

The following figures tell the story of the markets.

VISIBLE SUPPLY

The visible supply of wheat in the United States by Bradstreet's reports, on March 26th, was 34,300,000 bushels. This was 1,209,000 bushels more than two weeks before, 9,116,000 bushels less than a year before and 2,303,000 bushels less than two years before.

The visible supply of corn on the same date was 25,848,000 bushels. This was 443,000 bushels more than two weeks before, 12,750,000 bushels more than a year before and 13,366,000 bushels more than two years before.

The visible supply of oats on the same date was 144,548,000 bushels. This was 199,000 bushels less than two weeks before, 34,000 bushels less than a year before and 342,000 bushels more than two years before.

The visible supply of barley on the same date was 4,453,000 bushels. This was 175,000 bushels more than two weeks before, 661,000 bushels less than a year before and 295,000 bushels more than two years before.

The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, with comparisons, is as follows:

Week ending	Mar. 25 1910	Mar. 18 1910	Mar. 26 1909
American	2,900,190	2,927,607	3,908,524
Other kinds	1,346,000	1,343,000	1,167,000
Total	4,246,190	4,270,607	5,975,524

Price of cotton, New York, April 7th—Middling Upland, 15.00c; Middling gulf, 15.25c. Cotton is 10c per cwt. lower than two weeks before.

PRICES OF CASH GRAIN

The closing prices of cash grain in the chief markets, on April 7th, with comparisons, were as follows:

CHICAGO—Wheat, No. 2 red, $1.16@1.19; two weeks before, $1.18@1.19. Corn, No. 2, 57½c; two weeks before, 58@59½c. Oats, No. 2 white, 44c; two weeks before, 45c.

ST. LOUIS—Wheat, No. 2 red, $1.16@1.17½; two weeks before, no quotations. Corn, No. 2 white, 63@64c; two weeks before, 64c. Oats, No. 2 white, 44@44½c; two weeks before, 46½c.

KANSAS CITY—Wheat, No. 2 red, $1.15@1.19; two weeks before, $1.16@1.20. No. 2 hard, $1.09@1.12; two weeks before, $1.08@1.11. Corn, No. 2 white, 58@59c; two weeks before, 60c. Oats, No. 2 white, 44@46c; two weeks before, 44@46c.

CINCINNATI—Wheat, No. 2 red, $1.19@1.20; two weeks before, $1.18@1.20. Corn, No. 2 white, 58@58½c; two weeks before, 61½@63c. Oats, No. 2 white, 43@43½; two weeks before, 47½@48c.

NEW YORK—Wheat, No. 2 red, $1.22; two weeks before, $1.25. Corn, No. 2 white, 62¼c; two weeks before, 64½c. Oats, No. 2 white, 46½@48c. two weeks before, 48½@50c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.12@1.13½; two weeks before, $1.14¾@1.16¼. No. 1 hard Northern, $1.09@1.11; two weeks before, $1.14@1.15.

FUTURE PRICES OF GRAIN

Chicago futures closed April 7th as follows:

WHEAT—May, $1.12⅝; July, $1.05½; Sept., $1.02½. Two weeks before, $1.13¾, 1.08½, $1.06⅛, respectively.

CORN—May, 58⅞c; July, 61¼c; Sept., 62¾c. Two weeks before, 62¾c, 64¾c and 65¾c, respectively.

OATS—May, 41¾c; July, 39¾c; Sept., 37⅝c. Two weeks before, 43¾c; 42½c and 40c, respectively.

CHICAGO PRODUCE MARKET
(April 7)

POTATOES—The market was steady. A moderate business was transacted over a range of 18 to 28 cents for ordinary to fancy stock. Buyers want fancy potatoes and the common grades are in very little demand. There were liberal offerings. Yet receipts were light.

Arrivals by cars, with comparisons, follow:

	This week	Last week	Last year
Monday	44	74	33
Tuesday	35	65	50
Wednesday	23	57	25
Thursday	26	26	47
Total, 4 days	128	222	155

Prices—Minnesota, Michigan or Wisconsin, good to choice, 24@26c; ordinary to fair, 17@23c. The market is 4c a bushel lower than two weeks before.

NEW POTATOES—Bermudas were in fair supply. Price $6.75 per barrel.

POTATO PRICES IN VARIOUS MARKETS FOR COMPARISON.

For the sake of comparisons we quote the market prices of potatoes in various cities on April 2nd, as follows:

CHICAGO—Minnesota, Mich. or Wis., 23@25c. ST. LOUIS, Wis. or Minn. Rurals, 30@34c. HOUSTON, Tex.—Calif. and Colo., 90c@$1.00. LOUISVILLE, 30@34c; CINCINNATI—Mich. gone to smash. Home grown, 30@35c. WASHINGTON, D. C.—50@56c. BOSTON—36c. BALTIMORE—Best western and N. Y., 40c; fair 35@38c; Me., 50@60c. PHILADELPHIA—N. Y., 35@40c; fancy Po., 55@60c. JACKSONVILLE, FLA.—60@62c. PITTSBURG—fancy, 29@30c. DALLAS—Cal. and Colo. 75c; Idaho, white, 80@85c. CLEVELAND—Choice, 30@35c. KANSAS CITY—60@80c.

HAY—Receipt 315 tons; two weeks before, 1,350 tons. Choice grades in fair request and price steady. Receipts smaller. Low and medium grades dull. Supply liberal and demand light.

Price—Choice timothy, $17.50@18.00; No. 2 timothy, $12.00@14.00; choice prairie hay, $14.00@14.50. The price is 50 cents a ton lower on choice timothy, $1.50@2.00 lower on No. 2 and 50c lower on Prairie than two weeks before.

BEANS—Market remains quiet. Offerings and demand both are tame.

Price—Choice hand-picked Pea beans, $2.13@2.14; prime, $2.10; Red Kidney, poor to choice, $2.75@3.10. The price is 10@15c lower than two weeks before.

APPLES—The market is quiet. The demand has become tame. Fine, hard fruit in original condition has a fair sale yet, but the late warm weather has scared the better class of buyers away from all stock that does not promise well for holding and from Eastern apples which have been repacked. Warm weather coming so early this Spring has caused some anxiety on the part of holders. Some extra fancy apples in barrels command prices above the quotations.

Prices per barrel, country packed, as follows:

	No. 1	Fancy
Ben Davis	$2.50@3.00	$3.50@3.75
Jonathan	3.75@4.00	4.50@5.00
Kings	3.50@3.75	4.00@4.50
Spies	3.50@3.75	4.00@4.50
Baldwins	3.25@3.50	4.00@4.25
Greenings	3.50@4.00	4.25@4.50

The prices are practically the same as two weeks before.

EGGS—No change to note in the general situation. There is a good, but not unusual consumptive trade, but the speculative demand for storage eggs is quite large. Most of the receipts go into storage.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week Cases	Last week Cases	Last year. Csaes
Monday	32,925	27,302	18,765
Tuesday	41,613	26,329	26,176
Wednesday	27,653	28,382	27,827
Thursday	30,588	30,439	19,992
Total	132,779	112,453	92,760

Price—The following quotations were established by the Chicago Butter and Egg Board: Miscellaneous lots, cases included, 19@20½c; ordinary firsts, 19c; prime firsts, 22c. The price is 1 to 4 cents higher than two weeks before.

SOME SEASONABLE HINTS FOR MARKETERS

That it is always advantageous to pack goods with care, that the quality runs uniform throughout, and mark contents neatly on the package.

That fancy goods always have a sale; that common goods never sell well, and in times of abundant supply are hardly salable.

That the mark on packages is not always a criterion of the contents, and that buyers always examine the inside.

That it is no use to write the cnosignee that goods were fancy when they were not; he knows.

That the best goods sell to the best trade, and other goods to the cheap trade, and each has its level of prices.

That if perishable goods come on the market late in the day, they never sell so well or for so much as when in early.

That as home-grown vegetables become more plentiful, there is a corresponding decrease in the demand for Southern.

That Apples coming in boxes—or in any other package, for that matter—should be straight packed. If nice fruit is placed at the exposed part of packages, and the interior is mixed with poor, it is a deception. No one wants to be deceived, not even a shipper, and a receiver cannot offer such stock to the good trade. It has to be sold to the buyer who looks for low-priced goods.

MISCELLANEOUS NEWS

New potatoes from Bermuda are quoted in Chicago at $7.50@8.00 per barrel.

Hastings Florida is a great potato producing section. The growers are eager so have good roads to deliver over that it is reported they offered to contribute 1 cent per bushel on all marketed, if the county commissioners would duplicate the amount.

The Federal Board of Food and Drug Inspection at Washington has ruled that a geographical name to identify the products of a particular locality must not be used on products of another section of the country. For instance, the name "Rocky Ford" may not be associated with melons raised outside of the Rocky Ford (Colorado) district if the order is not reversed.

A mammoth new cold storage warehouse was opened for business, in Boston, on March 16th. It is 8 stories high and has a storage capacity of 2,000,000 cubic feet. The report said, 2,000 dealers were present from Boston and other cities on the opening day. We wonder why there were not many farmers there?

The Bulletin of the National League of Commission Merchants says that Swift & Co., one of the "Big Four" packers is now actively engaged in the produce business, handling, eggs, poultry, potatoes, apples, beans, etc.

A dispatch from Charlotte, N. C., a great strawberry growing center is to the effect that the growers are apprehensive over a movement on the part of buyers to keep prices low at the railroad platforms where the berries must be delivered.

The earnings of the American Tobacco Company for the year ending March 1910, was 50 1-2 per cent. on its capital stock. To be more definite the net earnings for the year were $30,448,000.

Last year the Hastings (Fla.) potato district shipped 255,000 barrels of potatoes which netted the growers over half a million dollars. This year the acreage is nearly double, but weather conditions have been unfavorable and the yield is estimated at about 25 per cent. more than last year. Other Florida, and other southern growing sections also report greatly increased acreages.

The United States Senate passed the Agricultural Appropriation bill carrying $13,000,000.

A bill providing for the recording of the names of parties pooling tobacco was passed by the Kentucky legislature and vetoed by the governor. It was then passed over the governor's veto and became a law. The object is to give notice to buyers of the pooled crops and in case they buy such crops they will become parties to suits for damages.

These Indiana bakers do not expect to see cheap wheat soon. One wrote a Minnesota Mill:

"We are not in the market for flour at present, as we have flour bought ahead to be delivered in July and August of 1910. Altogether, we have over 20,000 bbls. bought, and would not think of buying any more to be delivered in a month and a half or two-months time."

Another one wrote:

"We beg to say that our requirements in flour have been provided for. We have enough to carry us until September, 1910."

$100,000,000 is Secretary Wilson's estimate of the value of the tobacco crop of 1909. He says: "This value has not been equaled before. It is nearly 50 per cent. above the five-year average.

The Farm Automobile

The Automobile is proving very popular with farmers, who it is claimed by the manufacturers are the largest purchasers of machines. We want to know more about it, from first hands. We will therefore give a prize to each person writing us and answering the following questions:

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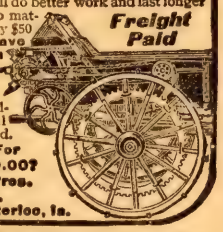
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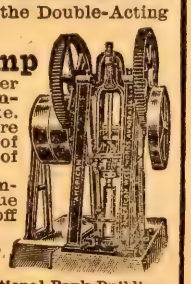


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THOUGHT AND SUCCESS

STUDENTS in the schools are not the only ones who ought to think. Thought is necessary to success in any vocation. And by thought we do not mean mere consciousness, mental cognition of things that are transpiring; nor even profound thought on abstruce questions that may engage the attention of thoughtful people. We mean thought concerning the work in the hand; consideration of the problems of every day; why, when and how this or that should be done, that it may be done intelligently and most effectively.

There is no calling on earth whose success depends more entirely upon this kind of thought than farming; and yet there are farmers who go through life as though all the days were alike, varied only by changes of the seasons or the weather. In the spring they plant, much as they have been accustomed to do. Then they cultivate as they did the year before, or ten years before. Next they harvest likely as their fathers did, and market as has been the custom through the years. Why they planted this crop or that, why they chose to devote to it this field or the other, why they cultivated when or as they did, why they harvested in just such a way, and why they sold when they did at the prices they were offered—these questions they did not ask themselves, or, if they did, they did not think or reason them out to a definite conclusion so that they could feel they had an intelligent reason for everything they did, and knew why.

Unthinking farmers do things mechanically, just as a machine does its work. A machine can neither think nor reason. It is constructed to make certain precise revolutions or motions—to trip a catch here, to move an eccentric there, or to release a spring yonder, always exactly the same way, and if it fails to do so in the precise time and position rranged for, something is wrong and the work is badly done. But is not a machine, or, if he be called one at all, he is a thinking, reasoning self-adjusting and self-acting machine, one whose work depends upon a living impulse or motive within him, and for the success of that work he is responsible not to himself alone, but to the world of whose success his own success is a part. Failure cannot be charged to imperfect construction or faulty material in the sense that the failure of a machine may. The man must carry his own responsibility.

Therefore, the farmer, of all men, must think. He must know what he is doing, and why. It is not enough that he toil. In fact, too much of his life may be devoted to drudgery. His mind must assist his muscles. His intelligence must help to make his path smoother and his bed easier. He must not only know how to produce stuff, but he must know what there is in it. He knew how to get the stuff out of the soil; he must now know how to get the value out of the stuff. The farmer must be a thinker.

Nothing is more valuable to the stock raiser than a reliable report of the markets. Clay, Robinson & Co., Chicago, one of the biggest commission houses in the country are making a special offer on their publication, "The Live Stock Report." It is a 12-page illustrated paper, published weekly, which they want to send to every reader of Up-to-Date Farming. Look up their big ad on page 11 of our Feb. 15th issue and clip the coupon in that number.

CORN IN THE NORTHWEST

IT now appears that the corn belt is to be extended into the Northwest. A recent Montana corn exhibit shows great possibilities for that section. This need not worry the farmers of the corn producing States. Though the corn crop of the country is already large the demand is also great, and prices are well maintained. While farmers do not favor over-production in any line of farm products ,they appreciate the responsibility they are under to supply all demands. Hence they are not so narrow as to oppose the opening of new fields for the production of any crop of which there is not already an excess. We, therefore, welcome the reports that come to us of successful corn growing in Montana.

And while speaking of Montana, we may say that State ranks first in the acreage yield of wheat, the average production being 26.7 bushels per acre; and compared with the barley producing nations of the world, Montana ranks second, Belgium alone exceeding it in yield per acre. It is worthy of remark also that Belgium alone exceeds Montana in the acreage yield of oats.

It was not our purpose to write an article on Montana, but the figures before us seem to lead in that direction. Montana leads in the acreage yield of rye. Her 24 bushels per acre compare with Minnesota's 18 bushels and the 15 bushels, the average production of all the States.

Montana has 30,000,000 acres of arable land, and the Great Northern Railroad is manifesting commendable zeal in its development.

BOTH STATEMENTS ARE UNTRUE

REFERRING to statements made by a Chicago paper to the effect that everybody is wanting to be a farmer, and that farmers are getting such high prices they will soon be rich that they will be up for investigation as the trusts are now, the Kansas Farmer says:

Both of these statements are untrue. Everybody does not want to become a farmer for this or any other reason. The farmer has to work for what he gets and the people who write such are not that kind. The farmer does not get an excessive reward for the labor and capital invested and never has done so. It is true that farm products command a higher price than they did 10 years ago but so does farm labor, farm supplies, farm land and everything else the farmer has to buy. The tremendous figures quoted by our national and state departments of agriculture as showing the products of the farms are misleading and damaging to the very men whom they are supposed to benefit. They show only one side of the picture and not all of that. In the government reports Kansas takes front rank as a wheat producing state and this fact is heralded all over the world as a matter of pride. But in these statistics no hint is given of the fact that our average yield per acre is only about 12 1-2 bushels or less than one-half of that of the older countries of Europe, nor is any hint given of the fact that this wheat was grown on high priced land by the aid of high priced help, high priced horses and high priced machinery.

The farmers are getting fair prices for their products but no more than they are entitled to and the margin of profit on what they produce is so close that new methods and new machinery are constantly necessary in order that they may be saved from actual loss.

The Sheffield Separator Co., is making a special offer on cream separators at this time. A recent ad in this paper announced that they would be glad to send their new book "Profitable Dairying" free to the readers of Up-to-Date Farming. It is written by two of the best dairy scientists in the country, and every cow owner will profit by reading it. Just send a postal to the Sheffield Separator Co., Dept. 3652, 19th and Marshall Blvd., Chicago, and it will be sent by return mail.

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IN PARTNERSHIP WITH PRODUCTION

THE schools and the press make distinct departments of live stock productive farming—Farm Department and Live Stock Department—but these two lines of farming run very close together sometimes, in fact all the time. Sheep husbandry particularly is in actual partnership with crop production.

Sheep, says a popular writer, can turn more waste feeds and weeds into animal matter and valuable fertilizer than any other kind of domestic animals. Men who grow and feed sheep seldom complain of fields over run with weeds, and their lands do not bake and turn yellow, and their crops dwindle as their neighbors' do. Sheep farmers do not often buy feed; somehow their land always produces so well it is not necessary, and such farmers are rarely in the market for commercial fertilizers.

These different conditions are clearly traceable to the sheep. Of course there must be enough of them to do the expected work, and they must be so handled as to give them a chance to do it. A field fairly well pastured down by sheep one season, will break mellow the next, will work easy and be comparatively free from weeds, and it will show the increased fertility in the luxuriant growth and perfect maturity of the crops. Fields thus alternated between sheep pasture a year or two, or a few years, and cultivation in various crops, wisely rotated, will not become impoverished or overrun with weeds. Sheep raising is strictly in partnership with crop production.

ALSIKE CLOVER

MUCH is being written about forage crops, especially the leguminous crops, and it is well, because they are needed, both for stock feed and forage, and for the nitrogen they gather and leave in the soil. Alfalfa has made such a reputation where it is well adapted that everybody wants it, no matter whether it will grow for them or not. Red clover is known and is justly popular, but it will not thrive in acid land, and that has caused it to be misunderstood and, in some cases, actually neglected. Cow peas occupy a proud position in the list of leguminous forage plants, but there are exigencies connected with that crop which hold it in check in its race for general favor.

Alsike clover is another candidate. We have not had much personal experience with it, but it is the recipient of many praises. A New York farmer declares, after an experience of more than twenty years, as he says, that it will stand more variations of temperature, drought and wet weather, than any other forage crop known. It will grow in a stiff clay soil, and produce a fair crop when the soil is dried as hard as a pavement or when it is flooded from protracted rains. These are given as his experiences. The first crop, he says, is generally fit to harvest a little after the middle of June, and, should the weather be favorable, a second crop may be harvested in August, and after that a fair growth may be made to cover the ground and the roots in winter. Or the second crop may be pastured.

This New York farmer goes so far as to assert that Alsike is the best all around farm forage for all kinds of stock of any crop grown. There is generally seed left to reseed the ground whether the crop is mown or pastured. The roots are not so large as the roots of red clover, and its sod is not so hard to break. But we never found that an objection to red clover. The more roots the more nitrogen and humus.

THE SEASON AND ITS CALLS

SO far, over a large portion of the United States, the season has been a rather unusual one. March was unlike that month in general. What conditions may be when this paper comes before its readers of course we cannot say, but the season is farther advanced than usual; there can be no doubt about that. And certain imperative farm duties may be somewhat out of time; but still there are many things, usually regarded as on the side, that should not be neglected.

There will be freshets, and there should be no obstructed drains. Drifts in the creeks should be thoroughly broken up, and, where possible, the accumulations burned. And washes should be carefully noted and repaired. Soil is too valuable a commodity to permit its waste. Often a timely hour may save great loss and labor.

Pasture fences should be put in good repair. The breaking out of stock is both annoying and damaging during a busy time and in the growing season. A half a day in time may save days and trouble later.

The lot gates and the barn doors too are in array for inspection. We are neither telling farmers what to do nor how to do it. We are merely dropping a few hints that may suggest things they themselves will work out and thus make more certain a future success.

ACID SOIL AND CLOVER

A reader says he has tried in vain to grow clover on his farm; he cannot get a catch. No matter how he sows, or when, the best he can get is clover in spots, and even at those spots it does not grow luxuriantly. His neighbors, some of whom grow clover very well, tell him his land is "clover sick." He does not understand it, and would like to know something about it.

There are several conditions that might lead to that result, but most likely the land is sour, what is called acid land. That may easily be determined by the use of blue litmus paper. Take a bit of this paper, which may be obtained at any drug store, and bury it a few inches deep in the soil, pressing the earth down upon it. Allow the paper to remain thus several hours. If the soil is acid the blue paper will have become pink in color. Litmus paper is not at all costly, and we would apply the test in several places. As a test of the theory apply it in one of the places where the clover grows the best, and note if the color does not remain comparatiely unchanged there.

The remedy for acid soil is good drainage and an application of lime. If very acid, a thousand pounds to the acre is not too much. Spread evenly either before or after breaking. We prefer to spread after breaking and then thoroughly harrowing in.

ON RENTED LAND

THERE is a responsibility on the farmer that tills rented land that, we are sorry to say, is not always appreciated. Too often the renter concludes that his interest is best served by getting all he can off the land and doing as little as possible for it.

But the renter is under a moral obligation if not a specific provision of the contract. He did not purchase any of the land, and he was to return it all to the owner as good as when he received it, the wear and tear of careful usage alone excepted. No careless, thoughtless or improper act of his was to make the land worse than it was, and if such thing occurred, he was under obligation to make it good again. If a ditch began to form as the result of his work, it was his duty to stop it. If a gate or a fence was broken by his stock, it was morally up to him to repair it. If he have a continued occupancy, it is to his interest as much as the landlord's to maintain the fertility of the soil by utilizing the manures of the farm, as well as by skillful rotation.

The good tenant, and the one that will seldom find himself without good land to cultivate, is the one who feels his moral obligation, and discharges them with the same fidelity that he does those he considers the law imposes on him.

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LIFE SAVERS FOR LAND TRAVELERS

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One Buggy for Every Day in the Year

The COZY CAB is the most convenient, sanitary and durable Buggy ever built for Farmers. It is used as an OPEN BUGGY in fair weather and as a CLOSED COZY CAB in stormy weather.

The COZY CAB insures immediate protection from rain, snow, wind and mud. There is no waiting, no getting out of the buggy to put on side curtains, no adjusting of storm apron or storm front. THREE SIMPLE ONE-HAND MOVEMENTS close the top instantly converting the OPEN BUGGY to a CLOSED STORM PROOF COZY CAB, without leaving the seat, dropping the lines or stopping the horse. When the storm is over three simple one-hand movements open the top leaving nothing in front or at the sides to obstruct your view or keep out the breeze. No part of the top is removed in order to make the change.



In taking the children to school or sending the women folks visiting, it is not necessary to "bundle them up"—just put them in the COZY CAB close the door curtains and the worst storm cannot reach them. When he can travel warm, snug and dry, no matter how hard it rains, there is no reason why the Farmer cannot spend his stormy days transacting business, going to town or visiting. Makes a wet day worth almost as much as a dry one.

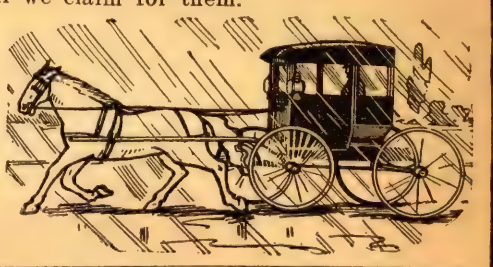
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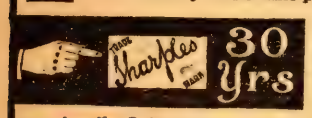
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in Kearney County, Nebraska. You could not ask a better one.

"Minden, Neb., March 1st, 1910.

To Farmers: I bought the first Sharples Tubular No. 4 that was sold in Kearney County, 11 years ago. This machine has been in constant use ever since and I believe it is as good as the day I bought it. I have been milking from 6 to 14 cows during these years, until two years ago, when I turned the machine over to my son, who is still using it on the farm. This machine has not cost us one cent for repairs of any kind. It turns easy and skims perfectly. It is easy to oil, as you just pour a cup of oil on the wheels and the wheels run in oil. It is easy to clean, as there are only two pieces to the bowl to wash. It is always in shape, as there is less machinery about it than any other machine.

PETER SODERBERG."



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from the surplus earnings over and above what you are now getting for your butter and cream.

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and you save $20 to $25 in agents' profits and freight by ordering direct from factory.

MONARCH CREAM SEPARATORS are priced at from $29.75 up, according to capacity They are sold with an unlimited guarantee that absolutely protects you for 20 yrs. to come.



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HEAVES CURED. Dr. Frank's Remedy Co., Detroit, Mich., tells how, FREE.



THOUGHTS ABOUT LIVE STOCK

MISS no opportunity for colts this year, horse or mule.

Here is a good farm maximum for 1910: The more pigs this spring the more money next fall.

Have an ever ready lot for hog pasture, and have hogs always ready to run in it.

If you have only scrubs, do your very best with them, but do your best to have something better than scrubs.

You are losing all the time if you have no young and growing stock on the farm; and if you have young stock you must have pastures for it. We know many farms that would make more and easier money were half the cultivated land turned into pasture.

Work animals, the farm team, ought to have some green feed. It is the feed nature provides, and nature calls for it. It keeps up the appetite, aids digestion, keeps the entire alimentary canal in healthy action, and better prepares the animal for the assimilation of the stronger dry feeds. We would not overload these animals with succulent grasses, but night and Sunday runs in small and not too rich pastures are good for the work horses.

The ewes and lambs must have plenty of attention now. The lambing season is pretty well past, and the ewes are taxed to the utmost to keep generally two lambs each, doing their very best. In the northern half of the country the fresh grass is beginning to afford what the farmers call "a nibble." Further south the pastures are becoming a factor in the ration. But in either case, the ewes need strong, milk producing feed—a good grain ration. There's money in the lambs. Help them to do their best.

What is said above about lambs, also applies to calves and pigs. Don't starve the calves. Better that the family be short of milk and butter than that the calves be forced to short rations. Nature prepares their meals, and it is unnatural and inhuman to rob the helpless animals and compel them to go hungry. And it is bad economy. The better the calf is fed the more money it will bring at selling time. So of the pigs. Feed the mother that she may feed the pigs, and as soon as possible have good pastures where both mother and pigs may richly help themselves. But however rich the pasture, don't cut off the solid feed. There never was greater promise of money for this growing stuff.

Keep the sheep on high ground. The feet of sheep do not stand mud and water soaking. Often lameness is caused by a tuft of grass or other foreign substance getting between the toes. The removal of the substance is almost an immediate cure.

Hogs need salt occasionally as well as other animals do. Don't give too much at a time, but give frequently.

BRIGHT PROSPECTS

PROBABLY there never was a time in the history of farming, says one of our exchanges, when the outlook for the general farmer and live stock grower was so bright. Animals and animal products are not likely to fall below the point of profitable production in the near future, perhaps never again.

We cheerfully endorse the sentiment, and urge farmers to put forth greater efforts than they have heretofore done. They can well afford it. They need no longer hesitate because of a fear of what the prices may be. True, we believe combined interests control the prices, and that the release of the stuff in cold storage would demoralize the markets; but the profits reaped by hoarding in storage forbid a sudden turning loose.

Not for a moment do we rely on anything congress may do. It is a body great for investigation, but results hae always been painfully microscopic so far as benefits to the class of people for whom we write are concerned. We, therefore, once more urge that farmers must depend upon themselves. Their own fertile brains and brawny arms must solve their problems, and we rejoice at the prospects which now seem to lie before them. More to sell, especially in live stock and grain, is a safe slogan, and the cash will come the farmers' way.

STRANGLES OR DISTEMPER IN HORSES

THIS is a disease of horses, perhaps the most familiar to farmers. It is the result of a germ, and is therefore infectious. The discharge from the nostrils is germ-laden, consequently for a well horse to drink from the same trough or bucket, or to eat from the same box or manger, or even to be placed in the same stall has been used by an affected horse, is to expose the well horse to imminent danger of infection. When thus infected the dicease may develop in a few days, and it may not manifest itself for some weeks. It is accompanied by high fever, catarrhal infiammation of the mucus membranes, especially of the nasal passages, and hence the nasal discharge.

There is generally swelling of the lymph glands under the jaw, and in bad cases there may be suppuration, often making sores that are slow to heal.

Young horses are more liable to distemper than older ones. In fact, horses more than five years old are seldom attacked. During the spring and fall the disease is most prevalent, and lean, weak horses are much more liable to it than strong, well kept ones, because the poorly nourished are less able to resist the ravages of the germs.

In treating this disease various fumigations are used, and they seem to be more or less successful, but where there is a bad case it is well to consult a veterinarian. Adopt every possible precautionary measure. Do not let the infected and well animals run together. Keep them so far apart that infection cannot be at all probable, and feed both diseased and healthy horses well.

THE COMING POTATO CROP

Less work and bigger profits is the watchword of the day. In this respect we might add that the complete line of potato machinery—made by the Aspinwall Mfg. Co., who are located at 427 Sabin Street, Jackson, Mich.—has always met the requirements of thousands of our readers every year for the past quarter of a century. Why not get in touch with the manufacturers of these high quality planters, cutters, sprayers, graders, etc., at once by sending your name on a postal card for their new catalog.

French Imported Coach stallion, 10 years old, sound, for sale cheap. Good reason for selling. Address A. J. METZGER - - SHELBY, C.

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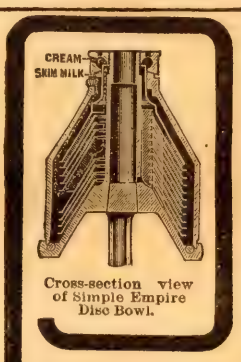
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Cross-section view of Simple Empire Disc Bowl.

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TAKE no chances on having your cream or butter graded "second" or "third." You want everything in your dairy easy to get unmistakably clean. The bowl devices in ordinary separators have slots, corners and crevices in which specks of milk or cream lodge to spoil the next skimming. The bowls in Empire Separators are different, better, more simple and perfectly sanitary. That's one vital reason why more and more thousands of experienced dairymen every year are choosing from—



Empire Disc

THE EMPIRE LINE

DIFFERENT STYLES—ALL SIZES IN EACH STYLE

Here we show the Empire Center Feed Disc and its simple bowl. This Empire bowl is lighter than any other with an interior skimming device, except the Frictionless Empire; the few smooth parts are cleaned in a jiffy because of no corners, slots or crevices to dig into, no place for impurities to lodge and spoil the next batch; cream has free passage to outlet so butter-fat globules are unbroken, adding to quality; spindle fits up into bowl, aiding perfect balance and ease of turning; the closest skimmer in the world, day in and day out, barring none, **and we have the proofs.**

You may prefer the Famous Frictionless Empire, with its equally simple, sanitary bowl with cone device. Either of these in the exact size you want is the separator that will save you most work and time; give you "First Grade" butter-fat always; make you the most money every year and for the longest term of years.

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SIX SIZES

than our lowest 1910 New Butterfly price for your cream separator. Don't do it, anyway, until you have first gotten our free catalog and learned how much money we can save you and why we are able to name such extremely low prices this year. You will find we are the only Chicago company actually selling cream separators direct from our own factory. We own and control all the exclusive New Butterfly patents. We produce every cream separator we sell in our own modern shops. We own the factory, the machinery, buildings, ground and all, and for that reason we are able, as Mr. Frank Schwebel of Upper Sandusky, Ohio, says, to "give more cream separator for the money than any other house in America."



—no other cream separator made today can compare with the New Butterfly in close skimming, light running, easy cleaning, convenience, durability and price. We can refer you to thousands of satisfied users all over the United States. Some of them may be in your own neighborhood. Get our free 1910 catalog and read what we say and what others have written us voluntarily after using the New Butterfly.

—here are a few exclusive features that make the New Butterfly the BEST cream separator on earth—easily cleaned aluminum skimming device complete in one piece, light weight bowl, vertical gear shafts, frictionless pivot ball bearings, easily cleaned open milk and cream spouts, indestructible self draining tank, self draining bowl and many other advantages, all of which are fully described in our handsomely illustrated 1910 catalog. Send for a free copy today. Address the makers,

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That's what MORE THAN A MILLION COW OWNERS the world over have found the DE LAVAL CREAM SEPARATOR to be, after thirty years of separator use.

A DE LAVAL FARM SEPARATOR costs from $40.- to $175.- according to capacity. It saves butter fat and produces a cream of superior quality over any setting system or any other separator every time it is used, —twice a day every day in the year.

It involves far less labor than any setting system, and runs easier, has greater capacity and lasts from two to ten times longer than any other separator.

That's how a DE LAVAL separator saves its cost at least the first year, and frequently in a few months, and then goes on doing so right along for an average of twenty years.

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STEWART No. 8 Shearing Machine



The extra wool secured, over and above what you get from shearing in the old way, will pay for the machine.

This machine has all enclosed, file hard gears, running in oil, and the famous Stewart shearing head.

Price, including four sets of knives, only **$9.75**

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Write for our **new 1910 FREE book on expert shearing.** Send today.

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When writing to advertisers don't fail to mention Up-to-Date Farming.

ALL AROUND THE FARM

WERE you in too great a hurry to curry and rub the work horses this morning? You put in more time than that would have taken doing something not worth as much.

Good timothy is good feed for a team, but the horses should not be allowed to eat too much of it at noon. A stomach full of hay, soaked with a hearty drink just before going to work is a strong bid for diseased horses.

Do you avail yourself of the opportunity to pitch the manure out of the stall every morning? That is a mark for a good farmer. But it is mighty wise to have a shed under which to pitch it. Under the eves is not a good place.

Does each horse have his own collar, and are you careful that the wrong collar never gets on the horse? The horse's shoulder is the seat of his usefulness, and it is easily injured during the work season.

Manage to change the horse's feed occasionally. The same diet day after day loses its attraction. However, people may talk against it, we like a grass lot for the work team to run in at night and Sundays.

Are you sure there are no loose barb wires lying around, or in portions of the fence where the horses may get to them. You have no time now to stop and doctor a wire cut.

Some think a ration of hay and straw is better for a horse, or even for a colt, than hay alone. We are not sure of that. A moderate ration of timothy and clover mixed is quite satisfactory to our horses.

Uncle Threadbare's boys jerk the horses and yell at them a great deal. They do not even wait for a provacation. We do not like for those boys to use our team.

And they are apt to leave the barn doors open. Of course two or three horses go in at once, or a horse or two and a cow or two. Then the boys jump and yell at them, and right now there is something doing. A horse or cow is hurt, or a door is broken down, or both, all because the door was left open when it should have been closed.

Heavy feed just before hard work don't fatten a horse. It might be well to remember that.

It is not a good plan to have chickens roost in the barn or about the stalls where horses and cattle stay. The filth about their roosting places is not the worst objection. Think of the lice and mites.

Kitchen slops are all right for the pigs, but never feed sour swill.

Frequently examine the feet of both colts and horses. A good horse is never found over bad feet. Keep the hoofs neatly trimmed and in natural shape. Cracks seldom come in well trimemd and neatly rounded hoofs.

Don't overwork the young horses, nor the fully matured ones during the early part of the season. In fact, don't overwork anything, or any person, at any time. Have judgment as to what is enough, and stop right there.

Do you keep a quantity of salt about the barn? It is just about as essential there as it is in the smokehouse. All stock need salt occasionally at all seasons, and they need it specially during the spring and early summer.

Do you know which cow gives the most milk, which gives the richest milk, which stays in milk the longest, and which brings the best calves? This is barnyard learning every farmer ought to have. Then he knows what cows to keep and what to sell.

What would you think of a man or a woman who brought in a pail of milk and then deliberately washed his or her fingers in it? Is it much better to wet the fingers with milk, or even with water, while milking? Is not the filth likely to drop into the milk?

Finally, when you can spare the time from the farm work, do you think of giving the barnyard a cleaning up? Things will get scattered about, and then they are unsightly and seem out of place. Besides many things that get into the barnlot and are left there—tools, implements, etc., —are a menace to the stock. Let everything be done neatly and in order. It is a splendid advertisement of good management; and it is profitable.

MAKING CHATHAM FANNING MILLS DAY AND NIGHT

The Manson Campbell Company, Detroit, Michigan, have been making Chatham Fanning Mills for many years. And with every year the demand has grown because farmers have realized more and more the necessity of properly cleaning their seed, of keeping out the weeds and of **grading up** their crops.

Over 250,000 of the celebrated Chatham Fanning Mills have been sold and proved their good service. They are sold on time and one 30 days' free trial, freight prepaid, guaranteed five years. If you do not own a fanning mill that is giving you absolute satisfaction you should certainly write to the Manson Campbell Company, Ltd., 169 Wesson Avenue, Detroit, Michigan, for their latest book and full information all free.

$15.95 AND UPWARD



THE LOW DOWN AMERICAN SEPARATOR

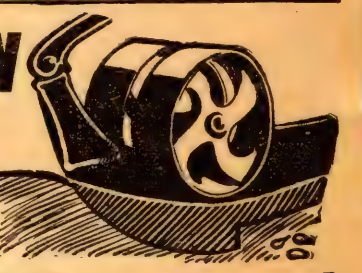
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100 BUSHEL CORN with Keller's Rotary Corn Planter Gauge

ALL your seed corn is bound to come up because every kernel gets planted the right depth. Our gauges fit any make of corn planter, and make the shoe cut just so deep, no matter what the speed or how uneven the ground. No clogging; no sticking: the wheels roll down the trash and make planting easy for you and your team. You harvest ALL the corn you plant, instead of only part of it, and get 100 bu. per acre where you've been getting 60 or 80. Our No. 1 Gauge has wheels 2½x7 in., and single clamp. Price $5 per set, complete with scrapers. No. 2 has wheels 3½x10 in., and a powerful double grip clamp. Price $6 per set, complete with scrapers. No. 3 is an improved Sled Gauge, made for those who still prefer this style. Long, wide blades, 3½x20 inches. Price $5 per set. All prices include free delivery to your nearest railroad station. Get our special money-making proposition, also our FREE BOOKLET. Don't risk forgetting it: write TO-DAY to



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"BATH IN OIL"

High Grade Separator—Direct



Save $25 to $50 direct at my factory price—freight prepaid. Get the only Separator that runs in "Bath of Oil," like a $5,000 automobile. This alone is worth $50 extra, but costs you nothing extra. Take

90 Days' Farm Test—Freight Prepaid

200 to 900 lbs. capacity.

Why pay $85 to $110 to dealers or agents who cannot sell you a separator equal to the Galloway—closest skimmer—easiest run—easiest cleaned—10-yr. guarantee. Send for **BOOK FREE**

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503 Galloway Sta., Waterloo, Ia.

OUR ADVERTISERS

The small classified advertisements in the Business Exchange have a value for those who take advantage of the department, out of all proportion to their size. These "liners" are small and inexpensive. Yet thousands of readers of UP-TO-DATE FARMING look here to supply various wants.—A farm for sale.—Improved live stock wanted.—A dozen heads or more in the Business Exchange.





They are made from specially tempered spring wire, all nickel plated and sanitary. You cannot injure the mother and need not injure the young. Thousands have been sold on a guaranty and not one returned.

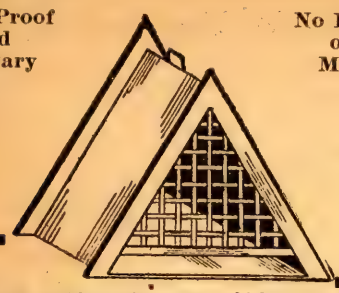
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Your Name Will Get $2 Eggs
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I will sell 2 sittings of full blood Single Comb Brown or White Leghorn Eggs for $1 for the 2 sittings. Not less than 2 sittings sold. Eggs by the 100, $5. Full blood White or Barred Plymouth Rock or Rhode Island Reds or Silver or White Wyandotte or W. Orpington or Rose Comb Brown Leghorn or Single Comb Black Minorca Eggs, $1 per sitting; by the 100, $7. Large Bronze or White Holland Turkey Eggs, $3 for 10 Eggs. Large White Pekin Duck Eggs, $1 for 10 Eggs.
100 egg Old Trusty Incubator, and 100 Chick Brooder, delivered at your R. R. station, both for $14 east of the Rocky Mountains. This is a rare chance to get a start of extra fine stock and a good Incubator.
Send Post Office order on St. Louis and have your orders booked early.
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If ordered together we send both for $10
Freight paid east of Rockies. Hot water, copper tanks, double walls, double glass doors. Free catalog describes them.
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200 Egg Incubator $3.00
No freight to pay. Actual hen in Natural Hen Incubator heats, ventilates, controls everything. No lamp, no costly mistakes. Best hatcher in the world. Agents Wanted. Catalog free. **N.H.I.Co., 1349 Constance St., Dept. 77, Los Angeles, Cal.**

MONEY IN POULTRY and SQUABS Start small; Grow BIG. Foy's big book tells how. Describes World's largest pure-bred Poultry Farm; gives great mass of poultry information. Lowest prices on fowls, eggs, incubators, brooders. Mailed 4c. **F. FOY, Box 45, Des Moines, Ia.**



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Eggs from $2.00 to $5.00 per 15
INDIAN RUNNER DUCKS
Eggs $1.00 to $1.50 per 13
J. B. Howe, Box M, Fortville, Ind.



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Wilson's Phosphate Mills
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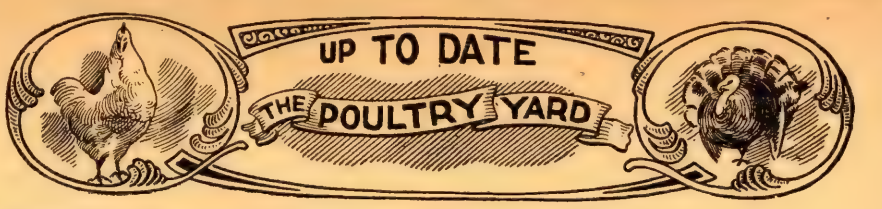


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Makes the horse sound, stay sound
DEATH TO HEAVES
The first or second $1.00 can cures. The third can is guaranteed to cure or money refunded.
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TEXAS FARM CO-OPERATOR
and this home necessity FREE. Value of both $2. Address **Texas Farm Co-Operator. Box 1010 Fort Worth, Texas**



POULTRY RAISING AS A BUSINESS

I have heard a great many persons express their desire to get on a small farm where they could make a comfortable living and not work too hard, and at the same time live an independent life. Poultry offers the very best leader for such a place and it pays as much money for the labor and money invested as any kind of business one can engage in.

The poultry business requires no great amount of capital and considerable poultry can be kept largely upon what would otherwise be a waste. There is much waste about a farm that can not be utilized in any other way as effectively as by poultry, which pick up the last grain whether in the manger or in the refuse, and convert it into profit. There is nothing that will glean after hogs but poultry. Then when the grain is threshed the straw pile will furnish a great deal of picking for them even with the best kind of threshing, in fact there is nothing to take the place of poultry for converting the waste materials into marketable products.

There is no longer any question but that poultry is profitable even when kept alone, but much more so when the business can be combined with some other branches of work, so that each department fits into the other, and the waste of one is utilized by the others. Poultry keeping can be engaged in with most any other business which will allow one time enough to give it careful attention, each morning and evening. Many business men are doing well with small flocks under conditions that could hardly be termed favorable. But the hen will give a good account of herself under almost any kind of combination if she is given reasonable care.

On so many farms you will find the poultry badly neglected. The women are generally expected to look after them and if they are not very strong (as is often the case) and are doing their housework without any help, you will often find the hen house full of lice, mites and filth, not a fit habitation for any living creature.

Husbands, here is where you can lend a helping hand and utilize your time on rainy days. Clean out, whitewash, renovate and fumigate the hen house, and your wife will be willing to do the rest. It is not necessary to build a castle for chickens, but it is necessary that the house should be warm, roomy and properly lighted and ventilated. And keep in mind that cleanliness is absolutely necessary for you cannot raise chickens where vermin and filth exist. If you will only start right and stick to it I promise you good returns, not only in cash, but in health, strength and all that goes to make life worth living.—Mrs. D. C. Johnson, in an exchange.

INDIAN RUNNER DUCKS

By Mrs. Howe.

THE air is vibrant with the praises of these curious little feathered bipeds, and we believe the UP-TO-DATE family would like to hear a few words about them.

Ten or twelve years ago, they were first imported into this country.

Of course it took a few years for their real merits to be known, but when fanciers and breeders of all stations became aware of their value; from every economic standpoint; and especially as egg **producers**; they have simply taken the country by storm. There is a veritable **craze** for them.

More inquiry is received for stock from them than for any other poultry, yet there is **no stock** for sale, and many breeders have almost filled their books with all the orders they can take care of for eggs.

The question might reasonably be asked, why this shortage? and the reply would be it is simply a case where the **supply** is not equal to the **demand.**

Though the ducks are prolific layers, and the eggs usually exceedingly fertile, and though the ducklings grow rapidly and mature early, still the demand, exceeds the supply.

As the name indicates, these ducks came originally from India. From there they were imported into England and from thence into America.

They are smaller in size than the well known Pekins, and were stylied Runners, from their peculiar upright carriage and rapid movements. In color they vary from a penciled brown and white, to a gray and white; or a fawn and white.

The latter is the more fashionable and popular color. The brown penceling is found, to some extent, in the flocks of nearly all breeders, in fact there is a preponderance of this color. As birds of the true fawn and white are more scarce; it follows, as a natural consequence, that they are **higher priced.**

The color, however, does not affect the real utility side of the ducks, for the brown penciled ducks lay as well, some say even better than the fawn.

Indian Runner Ducks, like all other great egg-producing fowls, do not incubate their own eggs. Their mission, on earth, is to **produce** eggs, and they seldom offer to set; suffering the motherly function to be performed by the wooden hen, or the feathered one. The young are very soon able to take care of themselves, usually attaining their growth at four months, or earlier, and, if properly fed, beginning to lay at that age. Cases are cited where eggs have been procured, ducklings hatched, grown to maturity, and themselves becoming progenitors of a large flock of India Runners, all in one season.

They are small feeders, great foragers, hunting nearly all their living, when running at large, and, if properly fed, in winter, they are persistent layers of large white, or delicately green-tinted eggs.

As before said, we have seen the brown penciled ducks come from some of the best feeders and importers in the country; and it will take time, careful selection and patient breeding to entirely eliminate the tendency and produce a strain of the pure fawn and white which will, in turn produce progeny of the same type; but to those who persevere, and succeed, the reward is sure; in prizes, and continued good prices.

These ducks can be reared without water to swim in; if plenty, for drinking purposes is provided, though they love water as well as the majority of water fowl.

Low marshy, or hilly and otherwise unfarmable land can be utilized and caused to evolve pennies into dollars, through the instrumentality of the timed, humble, little Indian Runner Ducks.

TO MAKE THE PROFIT

A writer in Successful Farming thus sums up the essentials of profit in poultry:

To sum up how to make the most profit is: first, to keep one breed; second, breed it to the standard; third, breed from the best layers; fourth, discard weak constitutions from the breeding pen; fifth, secure the best market for your poultry products; sixth, advertise in the poultry press and thus establish a prosperous business.

Every farmer almost without exception, should have a gasoline engine to do the hard work of the place, such as sawing wood, running the separator, the corn sheller, and a thousand and one things that take time, trouble and muscle to do. When buying, be sure to investigate every claim. Be sure and find out about the "Ideal" Gasoline Engine, made by the Ideal Motor Co., Lansing, Mich. Their booklet No. 22, describes that engine in detail, and will be sent free on request to any of our readers.

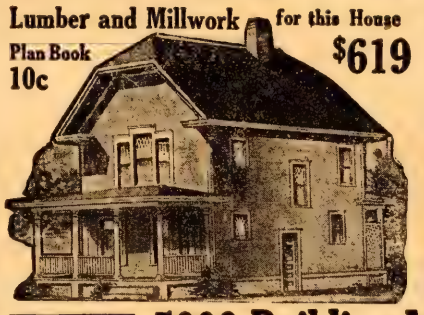
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When the season opened we had nearly 50,000 incubators in our warehouse, ready to fill orders. They are all gone but a few, and to clear them out this month we make this offer. We will send you **a brooder at actual half price** if you order a
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within the next few weeks. The **Sure Hatch Incubator** is guaranteed to hatch every fertile egg. Get our free catalog and read our binding guarantee. We allow you 60 days free trial. With every **Sure Hatch Incubator** we send a $1,000,000 Surety Bond issued by the Bankers Surety Co., of Cleveland, O. Write to-day and get the brooder at **half price. We pay the freight.**





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We will supply you with high-grade, guaranteed Building Material—the best made in America—at an actual cash saving of HALF the regular retail dealers' prices.
Doors, 77 Cents and up
Windows, 63 Cents up
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Get our prices on everything you need to build a new house or modernize an old one. Free Catalog offers 5000 Bargains—the very latest designs in Millwork, approved by best architects. **Quality, Satisfaction and Safe Delivery Guaranteed Anywhere.**
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We offer a splendid variety of Stair Material in Oak and Yellow Pine. Our designs admit of many variations. Our prices save you from $60 to $125 on a complete flight of stairs. See Catalog for latest stair designs.
Estimates FREE

THE CITY AUTO

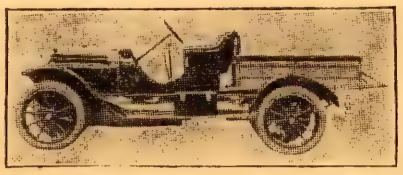
It would be better perhaps to say the Counry Auto, for the same auto that does so much in the city is just as much at home and just as useful in the country.

One not posted can scarcely believe the number of autos in use in the country. A trip through the great farming states of the middle west is an eye opener. Automobiles have practically driven out the farm wagon, so far as its use on the road is concerned, and it has even taken the place of the market cart, in many country communities, while the surry and family carriage have, in many places, gone into disuse. It is nothing unusual to see the farm family out riding while the farm team is busy doing its important work in the fields, or getting a much needed rest in the quiet of the pasture lot.

This is only another indication of farm progress. The pendulum is sure enough swinging far beyond the point it ever reached before.

VALUABLE ON THE FARM

The farm is a facory; it converts raw materials into finished products. There are two main branches of any business—making and selling. An automobile is most voluable in selling farm products. How quick you can run to town, to the creamery, etc.



The automobile shown here is very convenient and useful. Thousands of farmer business-men need such machines in their factories (farms). It is quickly converted into a pleasure vehicle for two to five passengers.

AUTO AIDS IN LION HUNT

Stanley E. Lord, of the Lord Motor Car Company, has pulled off an entirely new stunt in the uses to which an automobile can be put. Last Friday, according to the story told, the versatile Stanley shot at, hit and ran down a mountain lion in the public road a few miles north of San Diego. The big cat jumped into the road thirty paces ahead of the machine, and the first shot from a .38 rifle brought him down, but only for a minute, for on regaining his feet the lion made a straightaway dash down the road for more than a mile, with Lord blazing away at him between watches of his car.

The lion then turned at bay and Stanley stepped from his machine to end the fun. A feeling akin to "buck ague" must have afflicted his trigger finger, as the next four shots were without effect. The lion made one spring, and with his last, the tenth shot, Stanley placed one between the eyes and it was all over. The lion measured five feet from tip to tip.

The story is vouched for by Mr. and Mrs. J. W. Ware, who had just bought an E-M-F and were piloted to San Diego and returned by Mr. Lord.

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IN HIGH GRADE USED AUTOMOBILES

We have now, ready for demonstration and IMMEDIATE DELIVERY, a very large stock of high grade cars, comprising Runabouts & Roadsters from $100 to $1,250. Small Touring Cars from $550 to $1,400; Large Touring Cars from $650 to $3,500. THEY ARE ALL LATE MODELS OF

STANDARD MAKE

Such as Packard, Pierce, Oldsmobile, Peerless, Maxwell, Rambler, Ford, Reo, Thomas, Winton, Lozier, White Steamers, Stoddard-Dayton and all others at

MARVELOUSLY LOW PRICES

They are all in the finest condition practically new and

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It is an established fact that cars made of high grade material are better after a season's use than when new. Besides, a car when worked in is free from defects of faulty design.

SO WHY PAY THE MANUFACTURERS HIGHEST PRICE when you can get a car just as good and in fine running order for

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Why

Should you not equip your car with the Best Tires — the kind that give you service and satisfaction. You can have this if you will just mention the word

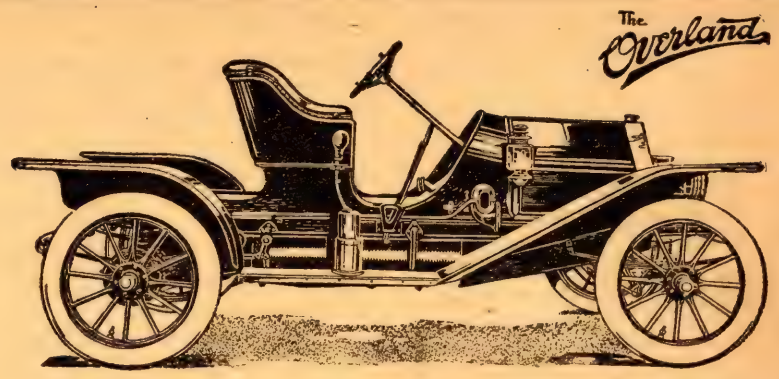
FISK

when you are next in need of one?

We are exclusive tire builders and our aim is to not see how many tires we can build within a year, but how many we can build well. It's been that policy year after year that has made FISK spell BEST in the Autoists' Language.

Write Us or Our Branches.

The Fisk Rubber Company, Chicopee Falls, MASS.



The $1,000 Overland—25 horsepower—102-inch wheel base. Same car with tonneau, $1,100.

How the Overland Met Some Tests

It takes four factories, employing 4,000 men—turning out 140 cars daily—to meet the calls for Overlands. The demand is larger, and is increasing faster, than for any other car in existence. The reason is that the Overland everywhere has best met every test.

Two Notable Users

The Government uses the Overland in city postal service. It has done so for 18 months.

These cars must run 75 miles a day, winter and summer, without missing a trip. A novice must be able to run them and care for them without delays or trouble. And the cost must be less than for horses. The Overland has splendidly met these requirements.

The J. I. Case Threshing Machine Co. supplies Overlands to its country salesmen. These cars must run on any road, in any weather, without expert attention. They must keep going day after day, the whole season through, in the hands of amateur drivers. The Overland has been selected as best adapted to these requirements.

Nine men in ten who buy automobiles seek just what these users seek. If you learn the facts, as they did, you will choose the Overland too.

Other Tests

One of the Overlands has been run 7,000 miles, night and day, without even stopping the engine.

Many have been run from 7,000 to 10,000 miles without even cleaning a spark plug.

A hundred times a day the $1,000 Overland has climbed a 50 per cent. grade, with four passengers, starting from standstill.

But this was the greatest test: In two years the Overland has reached the topmost place in motordom. It has come to outsell all of its hundred rivals. It has done this solely because of the records made in the hands of owners.

The Simple Car

The success of the Overland is largely due to its matchless simplicity. It is made almost trouble-proof.

A child can master the car in ten minutes. Anyone can run it and care for it.

It operates by pedal control. Push a pedal forward to go ahead and backward to reverse. Push another pedal forward to get on high speed. It is as simple as walking.

Minimized Cost

Our enormous output and automatic machinery enables us to make cars for less than anyone else. We have cut the cost 20 per cent. in the past year alone.

The $1,000 Overland—shown at the top—has more size and power than any other car sold at near this price.

The $1,250 Oevrland has 40-horsepower, and a 112-inch wheel base. And for $1,500 we offer all that any man can want. All prices include five lamps and magneto.

Two Free Books

We have two books which every motor car lover should read, to know the changing conditions. Please cut out this coupon as a reminder to write for the books today.

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69 Varieties. Also Small Fruits, Trees &c. Best Rooted stock. Genuine, cheap. 2 sample vines mailed for 10c. Desc. price-list free. LEWIS ROESCH & SON, Fredonia, N. Y.

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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

THE ADVENT OF SPRING

By the time this issue reaches my readers Spring will be upon us, and opportunity will be at hand to put into effect the many things which I have taught in this Department—which reminds me of the many things which I could have laid before my readers had there been space. Let every reader of this Department **now resolve to get up a club of ten subscribers** before they are overwhelmed by the rush of the busy season. Send them in—at fifty cents, each, for two years—and **the benefit will be yours. Will you help?**

Sincerely,
SAMUEL ARMSTRONG HAMILTON, Garden Editor.

PUBLICATIONS RECEIVED

HAND BOOK OF TREES AND PLANTS. This is a most complete reference book of hardy trees and plants, and is in itself a work of art. It is beautifully illustrated, and complete in every way, and worthy of this 56-year-old firm. FREE, Thomas Meehan & Sons, Inc., Philadelphia, Pa.

SPECIMEN TREES & SHRUBS. This is the only booklet devoted entirely to the larger trees which comes to our table. It is finely illustrated, and a choice bit of the printer's art, and tells all about the trees which make an immediate effect. FREE, Andorra Nurseries, Philadelphia, Pa.

HANDY FERN AND FLOWER BOOK. This is one of the rarest of all the annuals which come to us each year. Every year it contains something new and choice. It is an authority on ferns, and hardy plants, especially those which have been domesticated from wild life. It is an encyclopaedia on ferns, orchids, and wild flowers. FREE. Edward Gillett, Southwick, Mass.

AT THE OPENING OF THE GARDEN SEASON

We are at the threshhold of another garden season. As we decide now and act later, so will be our gardens at the end of the season. I hope that every one of my readers has been in sympathy with my efforts to build up the greatest and most helpful Garden Department to be found in the country today. I appreciate your efforts, and will continue to labor in the effort to lay before you, in every issue, matter which will have real value to the grower of fruits, flowers and vegetables. There is not only pleasure, but profit, in a well-conducted garden, and such a one should be part of every farm.

THE VEGETABLE GARDEN

There is much to be done in the vegetable garden the latter part of April. In many sections the garden-making will be in full swing, while in the more southerly sections the planting will be very largely done, especially of those crops like peas, lettuce and onions which fear not the late frosts.

There is room for much improvement in the making of our vegetable gardens. There is not as thorough a preparation of the soil as there should be and the needs of the soil are not mastered to the extent of determining what should be added to bring it up to the highest state of fertility.

The matter of drainage, a most important one, is not given the attention that it deserves. There is a lot of scepticism abroad as to the value of drainage for lands which are not actually boggy, and this hinders the development of many acres of otherwise fertile soil.

The principles of soil-drainage are simple. Picture to yourself the fact that the "soil" (as we call it) lies on top of a table of more or less impervious sub-soil. This table receives the excess water which trickles through the soil, and, if there be deep depressions in its surface, holds it and keeps the soil lying immediately above it too wet in which to grow anything but bog-plants.

But, if you put in ditches or drain-tile in a proper manner, the excess water will flow into these, and the soil will be of a uniform condition of moisture all over. This water-level below the soil is known to engineers as the "water-table," or the height at which the water stands, after it has trickled through the soil.

It seems to some to be a strange fact that while plants must have water continuously, they must have it only in limited quantities at one time. The soil is like a wet sponge, which will hold just so much water in its capillary tubes, but will allow the excess to run off, and the aim is to keep the soil in the condition of a sponge—i. e., holding only the amount of water which will hang in suspension in its capillary tubes, which are the spaces between the particles of soil.

It must be understood that plant-food is available for the use of the plants only when in suspension in water. Dry plant-food is of no use to the roots of plants. The little fibrous roots of the plants forage among the soil particles absorbing such of the ingredients as they find suspended in the tiny drops of water they encounter.

Another reason why the roots of non-aquatic plants will not live in an excess of water is because they must have air for their development, which the water excludes. The above facts being true, it behooves the farmer to see that his vegetable garden is well-drained. Drainage assures early maturity of crops, as the soil is warmer, and the plants develop faster.

In the preparation of the soil there is need of great improvement in many farm gardens. I examined a large number last season and found few up to the mark which should be aimed at for best results.

In the preparation of the garden this season, thought must be had to the future seasons. Shallow preparation is of (doubtful) benefit for the present season, if at all. But deep, careful, digging, aerating, fining, and pulverizing to its full depth, has great value for the future of the garden.

In the matter of crops which are planted in rows or hills keep in mind the instructions which have from time to time been given to raise them above the general level, as this permits of quick free drainage, after hard rains and does not retard the growth of those crops which are being hurried for early maturity.

THE FLOWER GARDEN

Not much work will be done for the next two weeks in the flower beds and borders, except in the case of those who have neglected doing any earlier.

By this time all the beds should be well gone over, all rubbish removed, and good rich manure spaded in where it is intended to plant annuals or set out new perennials. The vines and shrubs should have bone-meal sprinkled about them, and the soil carefully dug around them, taking care not to injure the roots.

The lawn should have attention. If there be any bare spots, fill them with fine soil, and sow blue-grass seed in it, pressing it down level with the roots of the adjoining seed. The whole lawn should be carefully swept, roots of perennial weeds dug out, and a light sowing of blue-grass seed given the whole expanse, and then rolled once a week for the next month. Let the lawn-grass get as long as it dare be to be caught by the lawn mower, before giving it the first cutting, and always cut it before rolling.

The sweet peas can be planted any time—the sooner the better. Cover the seeds not more than a half inch, and press carefully. Water the trenches and set the trellises at once, and see that the wire netting is close down to the soil over the middle of the trenches, so that the young vines can catch hold of them as soon as they throw out tentacles.

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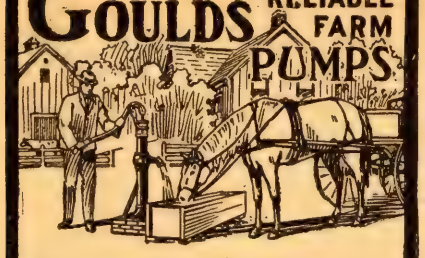
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THE ORCHARD

There will be much to be done in the orchard the latter part of April. In most locations in which the apple, cherry, peach, and plum are grown it will be the busiest time of the year on the farm which gives them the proper attention, as the last of the second spraying and much of the pruning will be to finish. These jobs should be done thoroughly. **As you spray and prune, so will your fruit crops be.**

Pruning.

It is not too late for those who, from any reason, have not yet done their spring pruning, to do it before the blossoms come out. The sooner it is done the better. If you grew a young orchard of one year old trees last season from whips, do not allow them to go through this season without cutting back to form a low head. Allow only two-bud spurs to stand, and but four or five of these to a tree, from which the frame-work of the tree will be built. If for any reason you have not yet done this, do it at once as it is vital to the orchard. Grow for an open head, unless you live in the windy states of the Mississippi Valley. In the latter, allow a central leader to stand, and grow a frame around it of four or five branches.

Spraying.

The spraying in the orchard this month is what is known as "second application" for some specific purpose, in contra-distinction to the first applications which are for the extermination of the various scales. If you did not spray for scale, early, you may do it any time before the foliage opens, using the lime-sulphur wash, or Scalecide, thoroughly.

The second applications this month are for:

Tent-caterpiller, Bordeaux arsenate, before buds open.

Aphis, Kerosene emulsion, after leaves unfold.

Bitter-rot, Bordeaux, before leaves expand.

Canker-worm, Coddling-moth, Scab, Leaf,spot, Bordeaux arsenate, when buds swell.

The season has much to do with the exact times when these applications should be made. In an early season some of them should be made this month, while if it is a late, cold, season, they will drag into next month. It will pay you to watch the trees and be governed by their condition. In the meantime have all your spraying machinery and solutions ready to be used at just the right time.

All applications of spray materials should be thorough, so that you will get one hundred per cent. of success. I saw trees the past season which have been sprayed, in accordance with the latest theories, for the past three years, the bark of which was perfect, and not a sign of a scale. The question as to whether repeated spraying will eventually render bark immune from the scale is now being tested, which will be kept track of and announced when completed.

Cultivation

No set time can be given for the cultivation of the orchard to begin. As soon as the soil is in condition to be worked is the right time, but it will vary according to latitude and longitude, so every farmer must work it out for himself, keeping in mind that the earlier it is started the better will be the results, and the weeds be destroyed in countless numbers just when they are sprouting. It should not be deep, not more than three or four inches, varying according to the age of the trees.

In sandy-loam, where there are not many weeds, due to frequent cultivation last season, cultivating may be alternated with "floating" with the drag.

Fertilizers and Manures

The subject of fertilizers and manures is receiving the greatest attention on the part of those who have the duty of scientific advisers to the farmers. Most of the Experiment Stations have tested the well-known brands of fertilizers on the market, showing the plant-food contents and correct price per ton.

Any farmer can apply to his own state experiment station for their bulletin on fertilizers, which will be sent him free. This will tell him what each contains, and what it is worth, according to analysis; but, especially will it tell him the truth as to what crops it is intended for.

In these days of intensive farming there is a special fertilizer for each principal crop, and it is a mistake to use the so-called "shot-gun" kind, which are expected to hit all crops—and which miss most of them.

The farm value of good barn-yard manure is coming to be more generally understood than was the case in the past, and an increasingly larger number of farmers are storing it under cover, or hauling it out to the fields to give up its value to the soil, and not be allowed to leach away in the barn-yard. Also, many farmers are making provisions to save the liquids from the stables to be absorbed in some suitable base, and thus make the very choicest kind of manure—especially for the garden.

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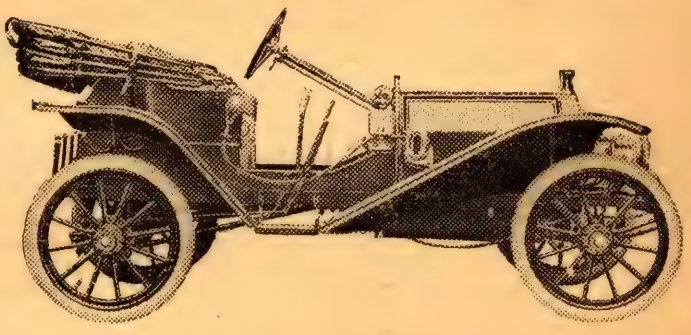
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Time after time the Hupmobile has surmounted situations far more difficult than any to be found in ordinary use.

Had Albert Peterson—himself a farmer—had the Hupmobile in mind, he could not have described it more aptly than in the following, which appeared in a recent issue of the Orange Judd Farmer:—

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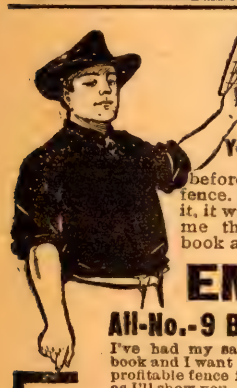
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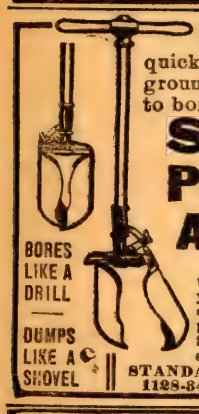
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Implements

I have written much during the past year regarding implements for the orchard and garden, but it will not be out of place to re-say some of it, just now, when the time is here when they will be needed. It is only in the small home garden that the soil will be dug with shovel or fork; in the larger operations the plow in some form will be used, followed by the harrow of the kind best suited to your own conditions. Any gardener who has a wheel plow and cultivator combined, with a full equipment therefor, can do most of the garden operations therewith, from the preparation of the soil to the harvesting of the root-crops, and will need few other tools, but there are a few staple hand tools needed in every garden, and they should be of an up-to-date kind. There have been great improvements made in the ordinary garden tools during the past five years, especially along the line of elimination of stooping in many of the operations of the garden. These are not expensive, and in the main are very durable, and convenient.

If you need any tools this season, consult our advertising columns, and order the kinds which will lighten the work, especially that portion falling to the women of the farm.

GARDEN NOTES

The onion beds, whether seeded or planted to sets, should have a top-dressing of nitrate of soda at the rate of six hundred pounds to the acre. The repeated tests of the experiment stations have demonstrated that this is the best fertilizer for the onion.

There is the best success with, and the best market for, the early cauliflower. Keep them growing from the start by frequent cultivation, and plenty of water. Old well-rotted stable manure is the best fertilizer.

The expert gardener keeps his garden in growth in some kind of vegetables all season. Look up the sample rotation bed given elsewhere in this issue. This can be used as a basis for many similar ones. This is "intensive gardening."

Every farm garden should have plenty of beans in variety for home use. The bean is the best substitute for meat, and the most nourishing of all vegetables.

Radishes must be grown quickly and have plenty of moisture to insure their being tender and juicy. Get them sown as soon as possible for the early crop, and pull them when at just the right stage. Several days over-ripe will make them tough.

Snap beans should be all picked at one picking to be profitable. To accomplish this they should be well manured, and freely cultivated, and the rows run North and South. When the pods are formed, pick off the two lowest leaves to give light and air to the pods.

Lay in a supply of nitrate of soda for use on the early vegetables to stimulate them. Its use is indicated for beans, peas, beets, radishes, onions and lettuce. Give it in solution, one ounce to two gallons of water, applied half a pint to a plant—if large—or a foot of row, if small, applied in a drill made along the rows, and covered with dry soil for a mulch.

A SAMPLE GARDEN PLOT ROTATION

In order that my readers may understand my references to rotation of garden crops, I give below a sample plot which has been worked out in actual practice. From this others can be worked out to suit individual conditions.

PLOT ONE
First Planting

	Plant after—
Parsley, Moss Curled	April 1
Parsnip, Improved Hollow Crown	April 1
Salsify, Sandwich Island	April 1
Leek, Early White	April 1
Onion, White Bottom (four rows)	April 1
Early Potatoes (Six weeks Market (two rows)	April 1
Beets, Imp. Blood Turnip	April 1
Carrots, Early Scarlet Horn	April 1
Turnips, Extra Early Milan	April 1
Peas, Alaska (two rows)	April 1
(Plant Radish, Early Scarlet and Spinach, Thick Leaved, between the rows.)	
Peas, American Wonder	April 1
Peas, Nott's Excelsior (two rows)	April 10
Peas, Gadus (two rows)	April 20
Carrots, Ox-heart	April 20
Cabbage, (Use Plants) two rows	April 20

Seed Bed for Future Plants

In this seed-bed plant a package each of Lettuce, Grand Rapids and Cal. Cream Butter, for young plants for later on.

Note that the rows from "Parsley" to "Early Potatoes" inclusive, stay all summer, or until late in the season.

PLOT ONE
Second Planting

Parsley, to remain all summer.
Parsnip, to remain all summer.
Salsify, to remain all summer.
Swiss Cahrd, to remain all summer.
Leek, to remain all summer.
Onions, (when these are taken out, follow with late celery.)
Early Potatoes. (Same as for Onions.)
Brussels Sprouts, Dwarf .....July 1
(Space of three rows.)
Kale, Dwarf .....July 1
(Space of three rows.)
Cabbage, Late White Dutch .....July 1
(Space of four rows.)
Cauliflower, Snowball .....July 1
(Space of three rows.)
Cabbage, Late Drumhead .....July 1
(If Beets and Carrots are not ready to come out by July 1, plant between them.)
Seed-bed for Lettuce and Endive.

EXPERIMENT STATION NEWS

Every farmer and fruit grower should get his name on the mailing list of his state experiment station, and keep in touch with the experiments being worked out therein. He should watch the columns of this paper for the announcements of bulletins of other states, which can often be obtained, free, by non-residents, and keep himself posted on all the literature issued which will be of service to him. It should be understood that these stations are run entirely in the interest of the farmer, and their bulletins are reliable.

New Mexico Station, Agricultural College, N. M.

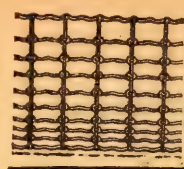
This station has issued this month: "Apple Culture Under Irrigation," which will be of great value to our readers in those sections of the country in which the apple must be irrigated. It takes the question from the starting of the young orchard on through its growth to production of crops, and a year's treatment thereafter.

"Onion Tests," is another valuable bulletin issued by this station, which should be in the hands of all who grow onions for profit.

New York Station, Genea, N. Y.

This station has put out two bulletins of great value to the fruit grower: "Concentrated Lime-sulphur Mixtures," and "A Chemical Study of Lime-sulphur Wash." Every fruit grower should have these bulletins, whether he makes his washes or buys them concentrated. They give the last word on these subjects.

SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

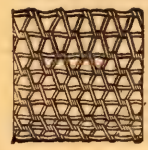


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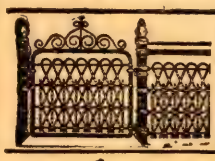
W. H. MASON, LEESBURG, O.

Don't Rust Farm Fence



Extra heavily galvanized. Sold direct to farmers at manufacturers' prices. 30 days' free trial. Freight prepaid. Also Poultry and Ornamental Wire and Iron Fences. Catalogue free. Write for special offer.

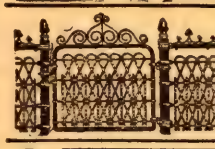
The Ward Fence Co., Box 331 Decatur, Ind.



LAWN FENCE

Many Styles. Sold on trial at wholesale prices. **Save 20 to 30 per cent.** Illustrated Catalogue free. Write today.

KITSELMAN BROS.
Box 384 Muncie, Indiana



LAWN FENCE

Many designs. Cheap as wood. 32 page Catalogue free. **Special Prices** to Churches and Cemeteries.

Coiled Spring Fence Co.
Box 416 Winchester Ind.



AGENTS!

Your customers cannot afford to be without the C. & F. Fire Extinguisher. It is an absolute daily and hourly necessity in every home, barn, store, meeting house and factory in the land. It is always ready. A child can use it. It is so inexpensive that no one should hesitate to buy.

Those living in rural communities will especially realize the great need for adequate and convenient protection of lives ond property against fire and welcome this low priced C. & F. extinguisher as a long looked for blessing.

It's the first few minutes of a fire that count. The C.&F. is always ready and convenient. Highly endorsed. The only sure and safe insurance is the C. & F. Fire Extinguisher. Write for terms. **Agents Big Profit.**

COONER & FORTUNE CO.
Indianapolis, Ind.



AMERICAN FENCE

Made of Hard, Stiff Wire, of Honest Quality

Woven-Wire Fences must be heavy, as they have to turn animals by the sheer strength of the wire. Why?

A fence with barbs is protected from excessive pressure because the animal fears the barbs. Remove the barbs and the greatest strength of the animal is thrown upon the fence. Hence its wires must be larger and stronger. Therefore, to have a longlife woven-wire fence you must have a heavy fence.

Among the valuable features that distinguish American Fence is the Hinged-Joint (patented). We back this feature with all our experience as the largest makers of fence in the world.

Under side stress and strain the resilient Hinged Joint yields to pressure and quickly returns to its old form without bending or breaking the stay wires, the strain being taken up by the heavy horizontal bars.

The real test of a fence is the service you get out of it. Test, judge and compare American Fence under any and all conditions, and you will find that the steel, the structure and galvanizing are equal in durability, strength and efficiency to the hardest usage.

F. BAACKES, Vice-Pres. & Gen. Sales Agent
AMERICAN STEEL & WIRE CO.
Chicago New York Denver San Francisco

NOTE.—Dealers everywhere. See the one in your town and have him show you the different designs and give prices. Also get from him booklet entitled "HOW TO BUILD A CHEAP CONCRETE FENCE POST," furnished free for the asking.



THOUGHTS THAT COME

THE FORSAKEN APPLE TREE

By John P. Stelle

It stood in a remote corner of an old farm. There had once been a home there, and an orchard, and companion trees had budded and bloomed and borne fruit around it. But the home had been moved to another part of the farm, and a new orchard had been planted. The old orchard had, therefore, been neglected. Where fond eyes for many springs had looked for beautiful bloom, and where glad feet had gone every fall for a burden of delicious fruit, there was now nothing inviting to either sight or taste. One by one the trees had perished, and brambles, thorns and briers had taken their place. The one old tree had withstood the vicissitudes to which all the others had yielded, and each year it gave some buds and bloom and fruit. But none were what they had been. The tree itself was ragged and unsightly. The buds were weak. and apparently had a struggle to open at all. The bloom, though giving a hint of its former glory, was not the bloom that years before had made the tree a bouquet of fragrant beauty. And the fruit that appeared in the autumn, too hardened to blush any more, was nothing like its former self; was neither palatable nor wholesome. The beauty and usefulness of the tree were gone, and it had become the home of health destroying fungus, death-dealing insects, and predaceous birds.

What wrought the change? Not time alone; not neglect alone; but unfavorable surroundings. And time and neglect had changed the surroundings.

So much depends upon environment. That which a man, or beast or tree, or plant, comes constantly in contact with, so that he or it may know nothing else, will win the man or thing, at least measurably, to itself. The most ravenous beast brought up from birth amid the gentle influences of a refined home, will in its life manifest much of that gentleness and refinement. The call of the wild may be heard in its innermost consciousness, if that expression may be used in speaking of beasts, and in uninvited outbursts, Nature may assert itself; but the animal brought up and kept within the gentler surroundings, will be better than its brother that was never out of the jungle.

On the other hand, a child, though brought up by refined parents, going out into the world subject to other influences and amid different surroundings, is very likely to forget much of the good and absorb much of the bad. It is thus that many a hope is blasted and many a heart broken.

We have seen sweet and gentle girls, pure as the dew that sparkles in the roses of spring, and gentle and refined as the zephyrs that kiss only the sweetest flowers, ally themselves in marriage with the coarse and the vulgar, and leave the home of refinement for other surroundings. All too soon the environment begins to tell, and by and by the sweetness has flown, the loveable and the good have disappeared, and the refinement is only a memory. People will be like what they are among. Environment influences the life and makes for good or evil. How delicate the choice, not only of life companionship, but of daily associations and surroundings. Remember the forsaken apple tree. It did not will its degeneracy, its retrogression. It unconsciously yielded to its new surroundings and environment.

MAKING HOME LIFE SIMPLER

The Woman's Magazine, seeking to lighten the home burdens, justly complains at the many things that are done purely for show or because some one else does them. "We fill our homes with useless things," says the magazine quoted, "and then spend so much time caring for them that we are mentally and spiritually starved." Life may be made much simpler than people generally have it. Systematize the necessary duties, and eliminate the things that are not necessary, thus saving time to satisfy your mental craving, or for actually needed rest. After all, the kitchen is only a workshop. It has its duties and its hours. Important things are to be done there, and they require to be done on time; but the kitchen duties need not drag through the entire day, and the whole life. The same is equally true of the household work. We agree that if there is a person on earth whose every hour is full it is the farm wife and mother, but eevn her numerous and imperative duties may be simplified so that each shall have its time and place. and leave breathing spells between. Once more we must drop a hint to the farmer to furnish conveniences and assist the wife in simplifying the household duties.

THE HOME THE CENTER OF ALL

Everything in human life clusters about the home. Whatever makes the home brighter and more cheerful and happy, makes the inmates of the home better. A quarter of a century is more than the average of the continuance of a home at any one place occupied by the same family, and generally very few years pass without broken links in the family chain.

If we could only appreciate these things and realize that a vacancy is liable to occur at any moment, many an act that brings pain to others would not be done, and many a word that burns a heart would not be spoken.

It seems to us that the sweetest work a hand can do is to make the home brighter not only inside but out. And this home beautifying must not be left wholly to the women folks. The men and boys may be busy in the fields. Important duties and arduous toil may demand their time; but while in the remotest fields the glance often turns toward the home, the place where really every effort centers. Time should be found to assist in making this life center the most beautiful spot on the farm. Neglected home grounds is a standing advertisement. It is a picture of the thought and aspiration and life of the farmer. The bird never neglects its nest, and it sings sweetest in the tree where its nest is located.

However humble the home may be cared for and made pretty. God himself will spread a carpet of green around it you will subdue the noxious

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

Rugs Carpets Curtains Blankets

From the Mill We Pay Freight

Manufacturers' prices save you dealers' profits. We give a binding guarantee of satisfaction and save you 33 1-3 per cent.

You can buy the well-known **Regal Rug**, reversible, all wool finish, at $3.75. **Our Brussello Rug**, greatest value known, $1.85.



Splendid grade **Brussels Rug**, 9x12 ft., $11. Famous **Invincible Velvets**, 9x12 ft., $16. Standard **Axminsters**, 9x12 ft., $18.50. Fine quality **Lace Curtains**, 45c per pair and up. **Tapestry Curtains, Wilton Rugs, Linoleums** at Mill prices.

Write to-day for our NEW ILLUSTRATED CATALOG, No. 12. Sent free. Shows latest designs in actual colors.

UNITED MILLS MFG. CO.
2454-2462 JASPER ST., PHILA.

WHY SUFFER

the misery of painful and mortifying skin eruptions when every druggist sells **Heiskell's Ointment**—a never-failing cure for erysipelas, eczema, tetter and all the milder forms of skin diseases, blackheads, pimples, and rash. **Heiskell's Medicinal Toilet Soap** aids a cure—use it for toilet and bath. If you have **any** skin trouble use

HEISKELL'S Ointment

Write for our new booklet "Health and Beauty."
JOHNSTON, HOLLOWAY & CO.,
531 Commerce St., Phila.

A FREE GIFT.—Every man or woman needs this book. This People's Common Sense Medical Adviser is full of information on the questions and problems which confront young or old—single or married persons. It's the best doctor to have in the house in case of emergency. Treats of Anatomy, Hygiene, Medicine, Mother and Babe. A new, fully revised, up-to-date edition, of 1008 pages, with engravings and colored plates, bound in cloth, is sent absolutely FREE on receipt of stamps to pay expense of wrapping and mailing only, if ordered at once. Over 680,000 copies were sold at $1.50 each.



Enclose 31 one-cent stamps to Dr. R. V. Pierce, Dept. F, Main Street, Buffalo, N. Y.

THE CLIPPER



will cut tall grass, short grass and weeds, and do all the trimming along the fence, walks and drives. If your dealers do not keep them, let us know, and we will send circulars and prices.

Clipper Lawn Mower Co., Dixon, Illinois

Don't Throw it Away

Does Your Granite Dish or Hot Water Bag Leak?

USE **MENDETS** A PATENT PATCH



They mend all leaks in all utensils—tin brass, copper, graniteware, hot water bags, etc. No solder, cement or rivet. Any one can use them; fit any surface; three million in use. Send for sample pkg. 10c. Complete pkg. assorted sizes, 25c postpaid. Agents wanted. Collette Mfg. Co., Box 183 Amsterdam, N. Y.

SILK REMNANTS

BEAUTIFUL SILK PATTERNS
EXTRA LARGE PIECES
GREAT VARIETY SEND 10 CENTS TO PHOENIX ART EXCHANGE PHOENIXVILLE PA.

10¢ POST PAID



Beautiful Silk Remnants For Quilts

BED SPREADS, SOFA PILLOWS AND FANCY WORK OF ALL KINDS

SILKS

BEST QUALITY OF GOODS, PLAIN COLORS, STRIPES, PLAIDS AND FIGURES.

Large sample package by mail, 16 cents; two packages, 25 cents. Stamps taken. Satisfaction guaranteed.
Silk Patch Company, Dept. F., Williamsport, Pa.

80c for 20 Names

Send me 20 cents and names and postoffices of 20 farmers and I'll send you for two years the Illinois Farmer, big semi-monthly, (big Woman's Fashions and Children's Depts.) Regular sub. price 50 cents a year. John M. Stahl, Pub. 1 J. P. Sta., Chicago.

SUGAR Fine Gran. **lb. 2½c**

We **SAVE** you about one **HALF** on **Groceries** and general **Merchandise** and **pay freight.** Send **no money** but write at once for **Free Catalogue R**
CENTRAL MERCANTILE COMPANY,
Dearborn St., Chicago.

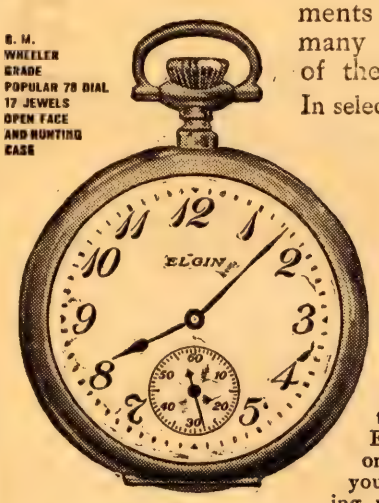
Extra Fine Post Cards Free

Send 2c stamp for five samples of our very best Gold Embossed Friendship, Flower and Motto Post Cards; beautiful colors and loveliest designs.
Art Post Card Club, 875 Jackson St., Topeka, Kz

Don't You Need a New Watch?

The present day demands for reliability and "on time" precision make an accurate timepiece not only necessary, but *imperative.* No one knows this better than the man who lives on the farm and whose requirements for watch-accuracy are just as many and just as exacting as those of the man in town.

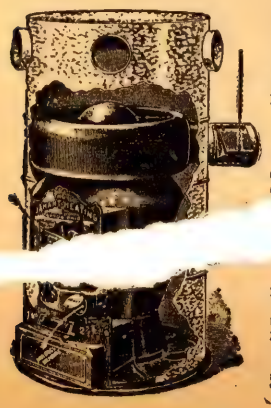
In selecting a watch, remember that the



Elgin

is recognized everywhere as the watch of unfailing accuracy. One Elgin movement in particular that is very popular, both as to price and dependability, is the G. M. WHEELER grade. Perfectly adjusted for temperature and three positions. Made in the standard sizes. Among the various other Elgin models there may be some particular one that most fully meets the requirements of your occupation. If you will write us indicating what you do and your special needs for a watch of unfailing precision, we will write you fully, explaining the very Elgin watch made for you, and will direct you to the nearest jeweler handling it. There is absolutely no charge for this service. Write us to-day.

ELGIN NATIONAL WATCH CO.,
ELGIN, ILLINOIS.



Buy Direct—Save Money—We Pay Freight

Our monthly installment plan of selling direct saves you all the dealer's profit and his excessive charges for installation and repairs. You can save at least ⅓ the cost of your furnace. We have been building Jahant Furnaces for over thirty years and guarantee perfect satisfaction. Let us tell you why the

JAHANT DOWN DRAFT FURNACE

Is the best Heating System made for residences, schools, hotels, churches, etc. It is the most economical furnace too and saves ⅓ to ½ the cost of fuel because the patented "Down-Draft System" burns hard or soft coal, and burns it ALL without cinders, clinkers or any attention, yet heats much better than any other furnace, not water heating system. Our "Installment Plan" of monthly payments by which you pay

Only $10 Down and $10 a Month

makes it easy for any one to have the best heating system made.

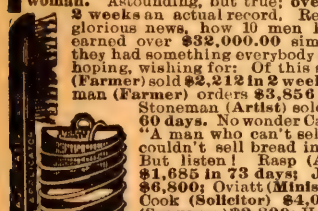
We send complete outfit, furnace, pipes, registers, etc., together with special plans, full directions and all tools for installing. If you can drive a nail you can install a Jahant Furnace without the aid of a tinner.

Write To-day for Catalog which explains the Jahant Down-Draft System and tells why it gives more heat at less cost than any other system of hot air, steam or hot water heating.

THE JAHANT HEATING CO., 203 Howard St., Akron, O.

10 PENNIES LEAD 10 MEN TO GET $32,034.81

Fortunes made with **Strange Invention. New, gigantic, money-making opportunity.** No longer controlled by a few—now open to any **man or woman.** Astounding, but true; **over $2,000 in 2 weeks** an actual record. Read the grand glorious news, how 10 men like yourself earned over **$32,000.00** simply because they had something everybody was longing, hoping, wishing for. Of this sum Korstad **(Farmer)** sold **$2,212 in 2 weeks;** Zimmerman **(Farmer)** orders **$3,856 in 39 days;** Stoneman **(Artist)** sold **$2,481 in 60 days.** No wonder Cashman says: "A man who can't sell your goods couldn't sell bread in a famine." But listen! Rasp **(Agent)** sold **$1,685 in 73 days;** Juell **(Clerk) $6,800;** Oviatt **(Minister) $4,000;** Cook **(Solicitor) $4,000;** Rogers **(Surveyor) $2,800;** Hoard **(Doctor) $2,200;** Hart **$5,000** and took **16 orders in 3 hours.** Rogers writes "Selling baths has got me one piece of property. Expect to get another." Hundreds already getting rich. You should too; why not? **Experience don't matter. How easy**—just show; **money yours—75% profit.** Allen's Bath Apparatus **gives every home a bathroom for $6.50;** all others $150; yet do less. Think of it! So energizes water, 1 gallon ample; **cleanses almost automatically;** no plumbing. Could anything be more popular? It's irresistible. Reese **(Carpenter) saw 60 people—sold 55;** result $320. "Sell 8 out of 10 houses," writes Maroney (Clerk). **LET US START YOU** as exclusive agent, salesman, manager; cash or **credit plan;** all or spare time. **Caution**—This ad may not appear again. Territory going fast. Reader wake up; don't plod; get rich. **Risk 1 cent now—a postal—for free book, proofs and remarkable offer.**



THE ALLEN MFG. CO. 1897 Allen Bldg, Toledo, O.

"Lucky I answered ad. Money coming fast." A. L., Me.

AGENTS 200% PROFIT



Agents Coining Money

Thousands being sold. Great big money getter for agents. Handy Automatic Hame Fastener. No straps—no buckles—no chains—no freezing of fingers in cold weather. A square deal offer. Horsemen stop—look—listen—buy one—then a dozen. Agent writes, "Hurry up my order—sold out first day." Cary says, "Made $9.00 yesterday—rush order." This is only one of over 2,000 fast selling articles we furnish agents: Write today—now—for our latest proposition. Headquarters for agents. No experience needed. Just write—we show how. We want agents—crew managers—men or women—all or part time—home or traveling—to show, take orders for our goods. Write today for FREE SAMPLE. You will make more money than ever before. Costs nothing to investigate—write at once—drop everything else—act quick—time short—let us start you—demand is big—be a Thomas Agent and get the money.



THOMAS MFG. CO., 681 Wayne St., Dayton, Ohio.

Rider Agents Wanted



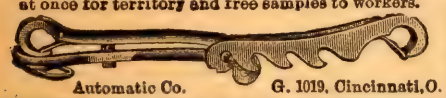
in each town to ride and exhibit sample 1910 bicycle. *Write for Special Offer.*
Finest Guaranteed 1910 Models **$10 to $27**
with Coaster-Brakes and Puncture-Proof tires.
1908 & 1909 Models all of best makes **$7 to $12**
100 Second-Hand Wheels *All makes and models, good as new.....* **$3 to $8**
Great FACTORY CLEARING SALE
We ***Ship on Approval*** *without a cent deposit, pay the freight* and allow **TEN DAY'S FREE TRIAL.**
TIRES, coaster brake rear wheels, lamps, sundries, *half usual prices.* **Do not buy** till you get our catalog and offer. *Write now.*
MEAD CYCLE CO., Dept. F 170 Chicago



A CLOUD OF LIGHT FROM KEROSENE (Coal Oil)

Burning common kerosene the ALADDIN MANTLE LAMP generates gas that gives a light more brilliant than city gas, gasoline or electricity. Simple, odorless, clean, safe and durable. **AGENTS MAKE BIG MONEY** is revolutionizing lighting everywhere. Needed in every home. Every lamp guaranteed. Sells itself. Our Sunbeam Burners fit other lamps. Ask our nearest office how **you can get a lamp free** or apply for Agency Proposition. **THE MANTLE LAMP CO. of America, Desk 479** Chicago, Portland, Ore.; Waterbury, Conn.; Winnipeg, Montreal, Canada.

$25.00 a day. New invention; horse owners wild about them; agents are coining money; our premium selling plan guarantees immediate sales; write at once for territory and free samples to workers.



Automatic Co. G. 1019, Cincinnati, O.

AGENTS BIG PROFIT. Absolute necessity to every farmer and teamster. Metal Hame Fastener. Simple device. Fasten instantly with gloves on. Last a lifetime. Agents coin money. 140% sure profit. No chains. No straps. No quack. No trifle about our offer. We give a square deal. Guaranteed, money-back goods. Sample, 35 cents. Particulars free. Write us at once.



Cooner & Fortune Co., Dept. O. Indianapolis, Ind.

MAGIC NEEDLES RODS, Goldometers, Chronometers, etc., for treasure seekers. Millions of wealth under your feet. Guaranteed the best made. Interesting booklet for 2ct. stamp. **FREE**
P. & M. AGENCY, 119 Elk St., PALMYRA, PA.

Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.
Miners Supply Co. Dept 2 Palmyra, Pa

MEN WANTED QUICKLY By big Chicago mail order house to distribute catalogues, advertise, $21 weekly; liberal expense allowance. **MANAGER, 1218 State Street, Chicago.**

growths, and He will paint the flowers if you will encourage them to grow.

Make the home beautiful. Give it an air of sweet refinement, that those within may catch the inspiration and glow with the spirit of goodness, with souls sweetly blooming as do the plants and flowers about the home.

The sun will shine upon the home,
And joy may dwell within;
But human hands must plant the seeds,
And now should all begin.

FRESH AIR AND A DRAFT

Fresh air is more than a fad. The blood must be vitalized night and day, and the pure oxygen of fresh air is nature's vitalizer. We do not know how men and women lived when so little thought was given to the air in the rooms, either night or day, and so little care was given to the renewing of the air. We do know, however, that the people who lived in that period, not so many years ago either, the period after tight houses had taken the place of the open cabins of the pioneers, did not have the fresh, robust, ruddy look, nor did they have the vitality of their log-cabin ancestors.

But there is a great difference between fresh air and a draft, either winter or summer. No one should sit in a draft, and still more important is it not to sleep in a draft. A draft of fresh air may furnish oxygen to the lungs, and assist the blood in throwing off impurities, but coming on the outer surface of the body, it closes the pores, stops either visible or invisible perspiration, turns back the tide of impurities, clogs the avenues of escape, interferes with one of nature's most vital processes, and invites disastrous consequences.

Do not sit between open doors or windows if a perceptible current of air is passing between them. And if bedroom windows are to be left open at night, which they may well be, they should be screened to prevent drafts. A simple muslin screen answers the purpose well, and one that may be easily and quickly removed is preferable. Have plenty of air, but avoid drafts. It is so easy for the human family to jump from one extreme to another.

SUGARED POPCORN

The following excellent recipe is given for sugared popcorn: Put into an iron kettle one tablespoon of butter, three tablespoons of water and one cup of white sugar. Boil until it is ready to candy, then toss in three quarts of nicely popped corn. Proceed to stir until somewhat cool. In this way each kernel will become separated and well coated with sugar.

FLOWERS FOR THE TABLE

Always have flowers on the table, if possible, during meals. At any rate, have them at the breakfast meal, for the way we begin the day has much to do with our temper and the success of that day's work. The good housemother endeavors to let beauty and pure thoughts find a place at the morning meal, and will tax her ingenuity in every way to make the morning meeting place of the family attractive to eye and thought, as well as to appetite. Nothing could be much more tempting to the jaded appetite or exhilarating to the spirits than a dainty breakfast table with a bunch of bright, dew-kissed blossoms in the center, and is better than a dose of the finest tonic ever concocted of drugs. And this is the time to prepare them by ordering the seeds, bulbs or plants that will produce them.

THE PEOPLE'S SCHOOLMASTER

If you want a clear and concise medical book—which is full of the most useful information for man or woman—order the People's Common Sense Medical Adviser by R. V. Pierce, M. D. Treats of Anatomy, Hygiene, Medicine—a book of one thousand pages, gives all particulars which men or women should know about themselves. How to correct ordinary derangements and weaknesses. Household hints and advice about the family—a chapter on Mother and Babe, etc. This new edition is almost a household necessity. Send thirty-one one cent stamps for this handsome cloth bound book to Dr. R. V. Pierce, Dept. F, Buffalo, N. Y.

AGENTS $50 TO $100 A WEEK HURRY! IT'S GREAT

SENSATIONAL OPPORTUNITY FOR MAKING MONEY--MEN AND WOMEN



Every home needs—wants—must have it. Women buy eagerly. Agents excited. Orders comign thick and fast. Brand new. Field untouched. Nothing ever like it before.

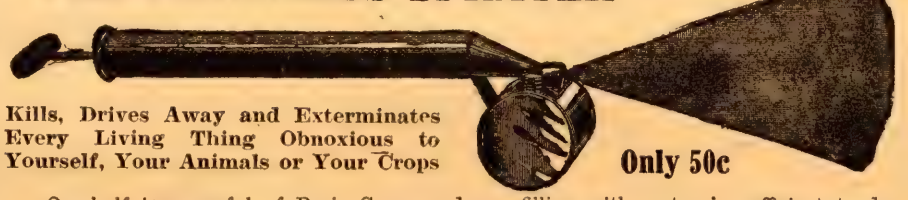
FREE SAMPLE TO AGENTS *Never such a seller.* Never such a wonderful invention. Be quick—don't wait—experience unnecessary. Just listen! One woman made $24 *first half day. W. H. Morgan, Pa.*: "*Sold 45 Cleaners in 25 hours. Have sold 2 out* of 3 persons canvassed." Marvelous results reported from every state. Read on about this great modern household invention. Millions have wanted—needed—for years. Only enjoyed by rich. But here at last for rich and poor. *New Home Vacuum Cleaner*—Blessing to all. *Rushing, whirling, sucking air draws dirt, dust, germs from carpets, rugs, mattings,* while they remain on floor. Strange—bewildering—phenomenal. No electricity—no motors—no power. Operated in any home by child or frail woman. Weighs 8 lbs. Different from anything ever seen. Purifies atmosphere—wards off disease—stops doctor bills. Sucks dirt from *carpets, rugs, mattings—from crevices, beneath radiators, furniture, behind doors, closets, etc.* Sold on demonstration. Women can't resist. Shown in three minutes. Sold in five. Then on to the next. Women praising, make sales easy. Saves drudgery, *cleaning, dusting.* Saves taking up carpets—saves time and money. No more brooms, brushes, dust cloths. No more backache. Never such a money maker—never such a blessing to women. Never such a chance to make money easy—quick. Big profit on every sale. But you must hurry.

READ HOW THE MONEY ROLLS IN

Agencies going. Everybody on the jump. C. E. Goff, Mo.; "*Sold 5 Vacuum Cleaners last Saturday,*—my first attempt." Gustave Anderson, Minn.: "Enclosed find order for 12 Vacuum Cleaners. Ship prompt. *One man sold a dozen 3 days.*" F. I. Pierce, N. Y.: "Wife more than pleased with Vacuum Cleaner. It does all and more than you claim for it." Prof. Geo. S. McDowell, Pa.: "*Took 8 1-2 ounces fine dirt from carpet 10x13 feet.*" L. Banville, Ohio.: "The New Home Cleaner greatest ever. Have arranged for demonstrations in stores." And so it goes—all eager, all easy. 'Its great." So hurry. You can't fail. Get busy now. Grand invention—great seller." (*Hurrah! Join the* money makers.) Get this money. Don't be satisfied with small wages. Don't just exist. *How splendid to always have money in abundance. Break away!* Send today. Don't write a letter—just a card. Only write—that's all. Begin now to make money. Frank Williams, Nebr.: 'Home Vacuum Cleaner a dandy; *works to perfection.*—without raising dust."

DON'T WORK FOR WAGES Gain freedom from drudgery, long hours, bossism, job hunting. We want more agents, Salesmen, Managers—Men and women, at home or traveling, all or spare time to fill orders, appoint, supply, control sub-agents. You can't make a mistake. Listen! John Logan gave up $12 job driving team, now makes $50 weekly. Writes "Sold 15 cleaners today. Success is sure." That's the way they all read—So hurry and write. SEND NO MONEY—Just your name on a card. We'll send full instructions and offer good territory. We'll help: we'll start you making money. *Write.* **R. ARMSTRONG MANUFACTURING CO., 925 ALMS BUILDING, CINCINNATI, OHIO**

THE FAULTLESS SPRAYER



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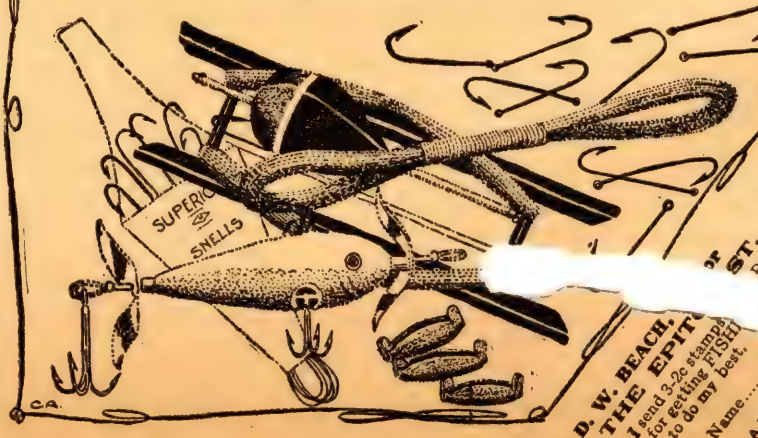
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This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

We are both surprised and gratified at the number of readers of UP-TO-DATE FARMING who have expressed their interest in the Cadet letters. All join with us in the belief that these young writers will be successful in life, and that the world will be better for what they will accomplish in the future. Most of the letters in this issue had been received previous to the publication of the April 1 paper, but had to be held over because our space was already full. It is necessary for the Cadets to write briefly, and the most interesting letters are those which tell something the writers have done or seen, or of locality in which the writers live. We are compelled to omit ordinary, commonplace expressions. We also must omit comments we would often like to make on the letters.

Dear Cadets: I live in the eastern part of West Virginia, in Randolph county. Our teacher is Miss Nora Golden, and I go to school every day. Our school will be out in about five weeks, and I am sorry of it, for I like to go to school.

I live on a farm and work between school terms. We raise corn, wheat, oats, timothy, and other grains. We also have fruits, such as apples, peas, plums, and small fruits. We are also in the coal and oil region, and a great deal of works are going on. Not far from here there is lumbering, and many people work there in the summer.

We take many papers, but I would rather have Up-to-Date Farming than all the rest of them together. It is surely a good paper.—Clayton Simmons, Loda, W. Va.

Dear Cadets: I live in the east part of San Augustine county, Texas, about four miles from the railroad. We have lots of timber of different kinds; saw mills are thick all over the county. We can raise almost anything here. We had two sleets or snows this winter. One covered the ground about four inches. So you can see the difference between this county and Lelanan county, Mich. We have no sleighing at all. I would like to exchange post cards with any of the Cadets.—William Mitchell, Tebo, Tex.

Dear Cadets: I am 16 years of age. I live on a farm, and like farm life very much. I have one sister and three brothers, all older than I. I go about two miles to school. We are practicing for an entertainment. I would like to get letters or post cards from some of the Cadets.—Lizzie Cook, Lake City, South Carolina.

Dear Cadets: I am sorry that I am too old to be a Cadet, but if any of the Cadets would like post cards of Colorado mountain scenery I will exchange with them. This is a great country. Saturday morning it began to snow, and about five inches fell, but before noon it was all gone. Our doors and windows have been open the greater part of February. I raise thoroughbred Plymouth Rocks.—Anna Sullivan, 1210 Berkeley, Pueblo, Colorado.

You are not too old to be a Cadet. The heart counts more with us than the Bible record of births.

Dear Cadets: This is my first letter, but I thought I would do my best, for that is the way to win. My sister takes Up-to-Date Farming, and I enjoy reading it. We all think it is up-to-date for sure. I am five feet three inches in height, have blue eyes, light hair and dark complexion. I live on a farm and have five mules, five head of cattle, and 15 sheep, and I feel safe in calling myself a young farmer, 17 years old the first of June. I like mules better than horses, and I like to ride muleback. I live in Frederick county, Virginia, and this is a fine country. We have lots of sport sleighing and skating in winter, and hunting and fishing in summer. I would like to correspond with Miss Ina Dewees of Washington, and will answer all cards from the Cadets.—Alfred Lenard Orndorf, Star Tannery, Va.

Dear Cadets: I am 13 years old, and live on a farm about two miles from New Hanover, Ill, a small town of only 40 people. We raise chickens and many vegetables. It is very cold here in winter. We had about 15 inches of snow last week (Feb. 28), but it is melting away, and the roads are so bad we can hardly get to town for our mail. I don't like it much here. I would rather live in a warm country where the grass is always green.—Maggie Haller, New Hanover, Ill.

Dear Cadets: I live in the central part of Minnesota, in Morrison county, 11 miles northeast of Little Falls. My mother owns 80 acres of land here, and I take care of it. I am 17 years old, 5 feet 11 inches tall, and weigh 160 pounds.—Albert J. Olson, (no post office is given unless it is Little Falls.)

Dear Cadets: I am 10 years old and go a mile to school to Miss Flossie Rorick. I have one brother 15 years old. I live on a farm in the Sunflower State. We take Up-to-Date and like it fine.—Nona Prowell, Lebo, Kan.

Dear Cadets: I expect I would scare you all to death if you could see me, for I am not a bit pretty. I am five feet 3 inches tall, have dark hair and gray eyes, and weigh 119 pounds. Don't you think I am a bird? I live in Breckinridge county, about 3 miles from Hardinsburg, the county seat. We have had an awful bad winter here this year—more snow than we have had for a long time. I was 17 years old Jan. 17, 1910. Who has the same birthday? My mother takes Up-to-Date Farming, and I sure enjoy reading the letters. Would like to exchange post cards.—Mertie Beard, Hardinsburg, Ky.

A Kentucky girl, Mertie, and not pretty? You'll have to show us.

Dear Cadets: I am a Kentucky girl, 13 years old. We raise wheat, corn, oats, hay, millet, tobacco and sorghum. I see a letter from Grace Harsema that some of the boys ought to listen to. My father has been taking Up-to-Date about 8 years. It gets cold sometimes in Kentucky, and January 15 the snow was 15 inches deep.—Julia A. Dowell, Irvington, Ky.

Dear Cadets: The weather up here (Feb. 24) is nice, as it always is. We have had two or three snow storms this winter. We live 11 miles west from Hatton, and have three quarter sections of land—one up by Minot and two here. I have four brothers—four of us are here and one is up by Minot. Last fall I was trapping and caught two minks, two skunks, one badger and 54 muskrats. The whole brought me $30.

North Dakota is a dandy place to stay in. There is not much to do in the winter—only the chores. We have 16 horses, 25 cows, 5 pigs and about 100 chickens. In the summer we play ball and have other sports.—J. E. Nees Hatton, N. D.

Dear Cadets: We take Up-to-Date and think it a grand paper, especially for farmers. We live on a farm a mile and a half from town, and I go to school in town. I was raised here, and I like the country. We raise 'most anything that can be grown anywhere, corn, cotton, sweet and Irish potatoes, cane, watermelons, and all kinds of fruit. We live close to a river, and in spring and summer we have fish. There are lots of squirrels here also. In summer we have a pleasant breeze all the time, and in winter the weather is not very cold. I am a girl of 14 winters, and would like very much to exchange post cards with any of the Cadets.—Mary Ritchie, Burke, Texas.

Dear Cadets: I have taken Up-to-Date Farming for some time, and I like it very much. I think all farmer boys and girls ought to read it, as it teaches young farmers more than other papers try to do. I live in the northwest part of Georgia, near Wallaceville, and I am 12 years old. I have a four-year old baby sister, and I have a little dog for a pet. I live on a farm, and I have to plow and hoe cotton. I also pick strawberries, and then I get to go to town to sell them.—Herbert Schmitt, Rossville, Ga.

Dear Cadets: I am a little girl 12 years of age. I have dark hair and eyes, and I live in the Mule State. Some people don't like Missouri but I think it is a grand old State. We live close to the village of Phillipsburg. We don't take Up-to-Date, but one of my sisters got a sample copy today, and I thought I would write. I have five sisters and two brothers. I go to school most of the time, and we have great times. We have some neighbors that are going away soon, and we will miss them greatly. I would like to exchange post cards with Josephine Fish.—Clara Barnes, Phillipsburg, Mo.

You show much enterprise in writing, Clara, but you ought to take Up-to-Date. It is doubtful if you ever get to see your letter in the paper.

Dear Cadets: I am just out of bed with a light attack of the Grippe. While there I spent many happy minutes reading the Cadet letters. I am not yet strong enough to join in the frolics and lively times other girls have, so my letters and postals are my greatest delight until they have become a standing joke with the postman. My condition of health forbids my going to school, so my mother makes up for me while I keep house for her. She is supervisor of music, and has been for two years.

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There are 15 rooms, and she goes to every room every day, making 400 children take vocal music. I would appreciate any post card exchanges. I already have ten or twelve exchanges selected from the lists of names in this paper. The cottonwood and peach trees are beginning to swell their buds, (Feb. 28), and the prairie is green with mosquite (pronounced mus-keet) grass, which is our first green.—Cora May Riviere, 7100 Fouyer St., Taylor, Texas.

Dear Cadets: I am a Maryland girl 10 years old, and I go to the Friends' select school every day; have not missed but three days since September, and I go about a mile. My teacher is Mary Wetherald, and I like her fine. I got up a list of subscribers last fall, and I liked my cards real well. We have not been taking Up-to-Date long, but we like it. We live about 60 miles from Baltimore, and 30 miles from Washington, the great capital city. I have never been to Washington, but I went to Baltimore in January, and had a good time, but I stayed only three days. I have four brother and a sister-in-law and a niece. My niece is a year old, and she can walk and talk lots. I would like to exchange some seeds with Leona Trudo of Vermont. I love flowers very much, and have a good many.—Agnes L. Jones, Hughesville, Md.

Dear Cadets: I am a little boy 12 years old, and I live in the country in the northwestern part of Ohio. I am a country booster. I go a mile to school to Miss Ona Bell, whom I like real well. I go every day I can, and when I don't go I help my papa do his work. I have one sister and four brothers, and I have a pet parrot that can talk and sing. We take a lot of papers, but Up-to-Date Farming is the best. —Albert Glass, Delphos, Ohio.

Dear Cadets: I am 13 years old, and I have a little horse to ride. I also have two pet kittens, two rabbits, and a little dog. I would like to have a letter from the Southern States. I live at the Allegheny mountains, and the scenery is very nice in summer when all is green. I would like to exchange post cards with any of the Cadets.—Florence Wambaugh, Shanksville, Pa.

Dear Cadets: I live in North Dakota near the Turtle Mountain Reservation. It is real pretty up there. There is lots of timber and hundreds of lakes, some big and some small. Our school had a picnic up there last summer. We had a boat, and we went out sailing on the lake. There were lots of berries and nuts in the Reservation. We had lots of fun. On the way home we passed an Indian camp, and the Indians were dancing. The men dance, and the women sit around and smoke. I am 12 years old. My mother and father came from Denmark to Minnesota in 1891. My father came to North Dakota in 1895, and took a homestead. I am 12 years old and I have a sister and a brother. I go to school 6 to 8 months in the summer time. We raise wheat, oats, barley and flax. We sell most of the wheat; the oats we feed to the horses and cattle. We have only a few horses to run the farm with.—Lillie Jensen, Belourt, N. D.

Dear Cadets: I live in Clark County, Washington, on the Big Columbia river, 11 miles from Fort Vancouver. Vancouver has a large barracks with about 600 soldiers. Timber here is mostly evergreen —fir, cedar, hemlock and live oak. Land sells at from $50 to $1,000 per acre. We raise lots of fruit, mostly prunes. We have a large union high school. I am 10 years old.—Gladys Wantland, Camas, Wash.

Dear Cadets: I am a boy aged 14, and I live on a farm, five miles from Butler, Okla. My father raises hogs. We just sold 82 head that topped the market at Fort Worth. I walk one mile to school, which is taught by Etta Offil, who is liked by all the scholars. I have a pony, 7 pigs and a bicycle. We have taken Up-to-Date for some time and like it fine.—Emmett E. Stoddard, Butler, Okla.

Dear Cadets: My papa takes Up-to-Date and we like it. We moved from Dallis county, Iowa, last July. I don't like it here. We live on the sand. We did not have much crops here. People said it was good, but it is not good like Iowa. I am a twin, and have 5 brothers and 6 sisters living and 1 dead.—Frances Hamlin, Grantsburg, Wisconsin.

Dear Cadets: I live in Southern Indiana, 12 miles from New Albany. I am a farmer boy, and I think farming is great work for a boy. The soil hdere is good for certain products. We raise wheat, corn, oats and potatoes, and nearly all kinds of vegetables. We have not taken Up-to-Date very long, but I think it is the best paper I ever saw. I am 16 years old, have blue eyes and sandy hair, and weigh 125 pounds. I live in Harrison county near Elizabeth. I can do all kinds of farm work; but most of all I like to ride horseback. I just love to get on a horse and go galloping over the hills. I have been in many large cities, such as New York, London, Chicago and Louisville. I have 225 post cards, and I would like to exchange or correspond with any of the Cadets.—Ebbie Glaze, Elizabeth, Ind.

Dear Cadets: I am a girl 14 4years old. We have a fine Sunday School. I go every Sunday—have not missed Sunday school but once in six months.—Willie Barnett, Smiley, Texas.

Dear Cadets: I live in the grand old state of Kentucky, near Fort Boonesboro. The chief products of this State are tobacco, corn and wheat. I live on a large farm, and I am a subscriber to Up-to-Date, which I think is the grandest paper in the world. I would like to exchange post cards. I am 19 years old, but I hope I am not too old to join your happy band.—Oscar Arnold, Winchester, Ky.

Dear Cadets: I am a little boy 12 years old. I go to school every day to Miss Babe Anderson, and I like her fine. The principal products are wheat, corn, and hay. The wheat is fine in this part of the country. Papa has about 80 acres in wheat and about 30 acres rented. Some of the farmers are going to try tobacco this year. I have four brothers, Emil, Albert, Jimmie and Clarence. Emil has gone to school at Valparaiso, and Jimmie and Clarence go to Dexter high school.—Victor Humbert, Magnet, Ind.

Dear Cadets: I live on a farm one mile north of Gascoyne. I am 13 years old, and go to school every day to Mr. Henry Saxvik, who is a good teacher. My father owns 160 acres of land in Bowman county. He reads Up-to-Date and has read it for several years, and thinks it a fine paper. The country here is very hilly in some places. There are some buttes that cover sections of land. Large herds of horses, cattle and sheep graze out on the grass all winter, but this winter the snow has been so deep the stock had to be fed. There are also large fields covered with prairie dogs, rattle snakes and owls; they all live together. We have lots of coal mines here, and the farmers are going to build a grain elevator. We take many papers, but Up-to-Date is the best.—Anna Sullivan, Gascoyne, N. Dakota.

Dear Cadets: I am 13 years old and I have three brothers, Gus, Emil and Chris. I go to school every day. My teacher is Grace Green, and I like her fine. We like Up-to-Date. I am very much interested in the Cadets of Equity, and would like to exchange cards with any of them.—Minnie Wulf, Kennard, Neb.

Dear Cadets: I live on a farm and go to school a mile away. I love farm life, and I love to read books and papers, but there is none so dear as Up-to-Date; it is a joy to the home. I like to read the dear Cadet letters.—Royden Ohlson, Boone, Ia.

Dear Cadets: I am a little girl 12 years old, and I live on a farm of 118 acres. We like to read Up-to-Date. The first pet I will name is Tobley the cat; then there is our colt named Tammerlain. He is as gentle as can be. I have four pullets all my own. We have two horses and some cows and calves. It is getting about time (March 5) to tap the sugar bush. I doubt if you Cadets from the South and West ever heard about that. We sold our syrup to a gentleman from Colorado. I began going to school when I was five years old, but afterwards lost two years; I am now in the seventh grade. I intend to be a teacher when I am old enough.—Eva M. Marsh, Harrisville, N. Y.

Dear Cadets: I am a farmer boy, 14 years of age. My father owns 140 acres of land, four head of horses, two cows and 16 hogs. We raise corn, wheat, hay and fruit, and we keep poultry. I like to go to school, and I like my teacher very much. I have four brothers and one sister. We take the banner paper, Up-to-Date. I have great hopes for the future of the Farmers Society of Equity. I received 50 very nice Christmas cards, making two sets of cards we have had from you.—Charles B. Moore, Johnston City, Ill.

Dear Cadets: I live on a farm of 80 acres, and I like farm life. We have 80 swarms of bees, and my father and mother take care of them. I am 13 years old, and go to school every day. I have one brother but no sister. I have an organ, and am taking lessons. My mother says I can play real nice. The chief products here are wheat, oats, hay and corn; beans are also a good crop here. Do any of the readers of Up-to-Date raise Light Brahma chickens?—Irene Wright, Estey, Mich.

We must close this issue of UP-TO-DATE FARMING with letters still waiting. We believe there is no more interesting department in the paper, nor one that will be more universally read, breathing as it does a feeling of personal kindness, interest and good will from all parts of the country, and many of the letters contain information that is highly appreciated by our readers. But other things must have attention or Up-to-Date would fail to fill its mission.



Send us your order for No. 26T2106 Minnesota New Model "A" Drop Head Automatic Lift Sewing Machine. Weight, about 125 pounds.
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Complete Set of Attachments, 75 Cents Extra.

Our Catalog describes Sewing Machines from $8.45 up. Fill out the coupon.

This Six-Drawer Automatic Lift Drop Head Style Sewing Machine

Has the following special features which have made this model famous:

Ball Bearing — **Disc Tension**
Short Needles — **Automatic Bobbin Winder**
Extra Long Shuttle — **Special Needle Plate**
Independent Positive Cam Take-Up
Automatic Tension Release
Extra Large and Strong Feed
Round and Hardened Needle Bar

OUR SPECIAL SEWING MACHINE CATALOG is a book you must have if you contemplate buying a sewing machine. It shows all our various models, many of them in colors just as they appear; illustrates the various parts, tells you all about everything you want to know, explains fully our twenty-year guarantee, our three months' trial contract, and describes the uses of all the special attachments. Fill out this coupon carefully with your name and address. The very day we receive it we will send you a free copy of our special Sewing Machine Catalog.

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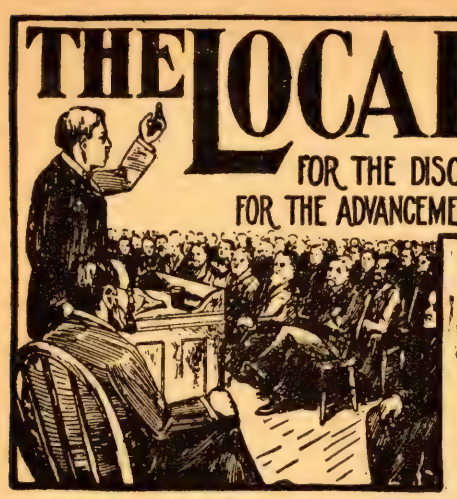
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Up-to-Date Farming

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J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

SUBSCRIPTIONS

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RATES will be quoted on application.

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Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

OFFICERS

President, J. A. Everitt, Indianapolis, Ind.
Vice-President, W. E. Grellick, Traverse City, Mich.
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UNION LABEL

THE FARMERS UNION LABEL must be made the strongest link in the chain of organized farmers, as it has been the strongest link in the chain of organized laborers. By the use of the Label an article will be recognized as the product of co-operating farmers, and those who buy farm produce can know when they are patronizing and sustaining organized efforts for improved conditions. Use the label on all the produce you market and on your letters and envelopes.

Prices will be quoted on application.

Minimum Prices, 1909 Crops

Farmers are urged to fix the below prices in their minds and communicate them to their neighbors who may not be subscribers. They are reasonable, fair and equitable, compared with prices place on other commodities, Farmers should hold for them, ask them, and not sell for less as the world must have ALL the supply and not just part of it, all those who refuse to sell below the minimum prices will get them. A year's demand must be supplied over a year instead of a years supply being dumped in a few weeks.

When the price is reached at the base market is the time to sell. The farm price will be the base price less freight and a fair commission to the handler.

WHEAT—No. 2 Red, Chicago, per bu	$ 1.25
WHEAT—No. 1 Northern, Minn., bu	1.25
CORN—No. 2 till Jan. 1, Chicago, bu	.75
CORN—No. 2 after Jan. 1, Chi., bu	.75
OATS—No. 2 White, per bu	.50
BARLEY—Good malting, Chicago, bu	.65
BARLEY—Good feeding, Chicago, bu	.55
RYE—Chicago, per bu	.80
FLAX SEED—No. 2, Chicago, per bu	1.50
HAY—No. 1 timothy, Chi., per ton	15.00
HAY—No. 2 timothy, Chi., per ton	14.00
HOGS—Good to choice, Chicago, per cwt.	$7.50@8.00
CATTLE—Good to choice steers, Chicago, per cwt.	$6.50@7.50
POTATOES—No. 1, Chicago, per bu (Michigan growers set 50c at their station as minimum price.)	.60
BEANS—Prime, white, Chicago, bu.	2.50
COTTON—Middling upland, per lb.	.14
COTTON—Middling gulf, per lb.	14.50
TOBACCO—(Subject to change by	
TOBACCO—(Subject to change by the Burley, Green River and Stemming District Associations)	
—Burley tobacco, average price, per lb.	.15
—Green River dark, average price, per lb.	.08
—Stemming dark, average price, per lb.	.10

COOPERATION!

—o—

That is the watch-word of the age.

—o—

Cooperation through the F. S. E. is the new Declaration of Independence—farmers industrial freedom.

—o—

Farmers! Don't work overtime to dump your products in a marketing machine that takes two-thirds of the selling price and allows you only one-third. Cooperation will guarantee you a just reward and the consumers an equitable price.

—o—

So, band together and stand together.

—o—

Talk about tariffs, trusts and taxes! These three do not cost the people one-half as much as the present abominable system of marketing farm crops.

—o—

Through the kind of cooperation we are establishing farmers can get right to the fountain head of buying and at the mouth of distribution.

—o—

Farmers have learned how to make two blades of grass, two ears of corn, two heads of wheat, two bolls of cotton, two apples or two potatoes grow where only one grew before. The mission of the F. S. E. is to put two dollars in their pockets where only one went before.

—o—

Can any person conceive of a more commendable mission than this paper's; namely, to secure for the producers of our crops always profitable prices, and reduce the cost of food to the ocnsumers about one-third?

—o—

The dumper shall not ride in an automobile.

—o—

Who is going to pocket the profit this year, 1910?

—o—

The final test of farming is in the price of the crop. The F. S. E. local union helps you to sell.

—o—

In this department, in April 1st number was the following:

When a farmer is approached and asked to join a farmers' society he should first decide these two points:

(1) *Are its purposes just and equitable and if accomplished will they bring about right-living on the farms and give farmers equal justice with other people in all business transactions?*

(2) *Are the methods employed to accomplish the purposes sound and practical?*

If these two questions can be answered in the affirmative it is the right kind of organization.

—o—

We repeat the above so that it will be more firmly impressed on our readers' minds. These are times when farmers must be careful and when they need safe and sane counsel.

—o—

There never was a time, in the history of American agriculture, when there were so many false teachers, abroad in the land, and schemes to deceive farmers and men with wild theories that they want to test at the expense of the men on farms. UP-TO-DATE FARMINNG believes it is as much its duty to warn farmers and protect them against these people and their projects as it is to teach them the sound, practical and successful business methods and to assist them in carrying them out.

—o—

Therefore, in addition to the warning sounded in our last number, we now warn farmers against a pretended farmers society that seeks to unite the producers and consumers in one organization to price the products of the farm. A few years ago this same organization organized exchanges in several Northern cities with this feature and they were all ignominious failures. After being quiet a few months it has broken out again in a remote field. This time it is operating in Nashville, Tennessee, and we take from "The Commonwealth," published in that city the following:

In order to have equitable prices and safe and fair conditions, the exchange will be conducted by a "Board of Control" composed of three farmers and three consumers, who will fix the price on both the produce purchased locally, and that received from other exchanges. In other words they will fix the buying and selling price of all products, they to agree on a disinterested seventh man in case of a disagreement. The ..... Exchange will be conducted as a stock company, but only one vote will be allowed an individual, irrespective of the amount of stock he holds.

—o—

It is not necessary to mention the name of this organization; if our injunction given above is observed, it will be known by its works. Our contention is that farmers have been too long taking prices made by the buyers and what we seek for them now is *complete commercial freedom*, not half way. We advise all farmers to recall the fabel of the birds and insects before joining a movement to divide the price making power with the consumers of their crops.

—o—

Before we leave this subject we will also sound a warning to farmers against farm organizations with political propensities. We are impelled to do this at this time because of the evident desire of some leaders of what pretend to be farmers societies to join with organized labor to launch a new political party. We quote the following from literature that is being distributed and from articles appearing in the newspapers:

If the laboring people and the farmers will vote together they can elect every officer from president down to constable.

—o—

The societies we refer to have called a convention and we quote from the call as follows: "to farmers and laborers of all kinds; clerks in stores and offices; workers in mines, factories and forests; mechanics, etc." Keeping the call in mind we can understand the significance of the following veiled utterances from the same literature:

—o—

It is also stated that President Gompers has endeaovred to keep organized labor out of politics, but that labor unions of every description have, during the past eighteen months, adopted resolutions calling upon the Federation of Labor to organize a new political party and that it looks as though the Federation will have to yield to the demand.

—o—

And the following:

If it is Mr. Gomper's intention to outline a plan for a new party he will naturally give his reasons. Coming in the midst of our unsettled condition, politically, and being a suggestion that will affect all classes of people and especially farmers and organized labor, this one address will be worth going thousands of miles to hear. It is intended to make this meeting a peoples forum, therefore it may be expected that all the other speakers will have something up their sleeve, of equal importance.

—o—

It may be an auspicious time to organize a new political party, or it may not be, On that point we are not much concerned, but we do know that never in the past has a farmers' organization survived the operation of grafting a political branch on to it.

—o—

The cry is often raised that farmers won't stick together in their local unions. In the past when that condition prevailed in the Alliance it drifted into politics and the end came quickly. Perhaps history will repeat itself with the societies referred to above, but the cry is false, as it refers to a true business organization of farmers as the Farmers Society of Equity is building.

—o—

The local unions of the F. S. E. makes it possible for the farmers of every community to engage in wholesome and profitable, social and business activities that will tie the numbers inseparably to the society.

—o—

The local unions of such a society as the F. S. E. were never needed all over the country as much as now. They are needed to give farmers mental inspirations and business helps in buying and selling; to end the uncertainties and inequalities of markets and prices; to end much of the present drudgery of farming as experienced by all the members of the farm family and they will strengthen the tie of brotherhood amongst the millions of farmers and make agriculture one great community of interests, as it should be.

—o—

The local unions of the F. S. E. will be the links in a mighty chain that will bind all farmers together; that will make the concerns of one, the concerns of all; that will make the individual farmer as strong in demanding equity and a square deal as the combined strength of all; that will allow all the farmers in local unions to move and act as one man in working out their mutual problems.

—o—

Also let us not forget that the local union is intended to be the rendezvous of all members of the farmers family; the fountain of improved business and social life; the source from which the rural uplift, that former President Roosevelt hoped for, will come; the brightest spot in any country community.

—o—

The local union will of course be what the members make it, but remember, it is intended to be all of the above.

$1700 a year from 10 Acres of Cherries

is the income of an Oregon fruit grower from land that originally cost $1,500. The first year's crop paid for the land with $200 to spare.

This is a single example of the prosperity that awaits a man who farms or raises fruit in

The Pacific Northwest

Give us your name and address for further examples of the successes made with every class of farming and fruit raising.

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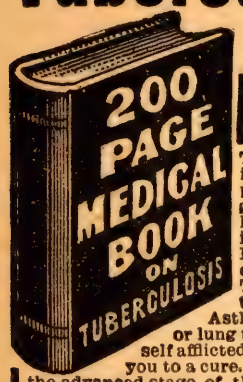
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Tuberculosis Book FREE



This valuable medical book tells in plain, simple language how Tuberculosis can be cured in your own home. If you know of any one suffering from Tuberculosis, Catarrh, Bronchitis, Asthma or any throat or lung trouble, or are yourself afflicted, this book will help you to a cure. Even if you are in the advanced stage of the disease and feel there is no hope, this book will show you how others have cured themselves after all remedies they had tried failed, and they believed their case hopeless.

Write at once to the Yonkerman Company, 3970 Water Street, Kalamazoo, Mich., and they will gladly send you the book by return mail free, and also a generous supply of the New Treatment, absolutely free, for they want every sufferer to have this wonderful remedy before it is too late. Don't wait—write today. It may mean the saving of your life.

AGENTS WANTED
Good firms want reliable representatives. Are you interested? Read the advertisements in the Business Exchange under AGENTS WANTED

BED WETTING
Inability to hold urine during the night or day, in old or young, is not a habit but a dangerous disease. Our HARMLESS Pastilles are guaranteed to cure it.
O. H. ROWAN DRUG CO., Dept 10 London, Ont., Canada. A 25c. Pkge. FREE.

FREE DEAFNESS TREATMENT
A successful institution makes this remarkable offer to send free medicines to prove their ability to cure Deafness, Head Noises and Catarrh by a new method. Address Dr. Branaman Remedy Co., 1156 Walnut St., Kansas City, Mo.

AZMA A safe and scientific remedy for Bronchial Asthma, Chronic Bronchitis, Hay Fever, etc. Contains no opiates. Free sample sent upon receipt of 15c to pay postage. DR. J. H. MAYER, Millerstown, Pa.

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

FARM WANTED
Hundreds of readers of Up-to-Date Farming want to buy a farm. Have you one for sale? Advertise it in the Business Exchange for quick purchaser. Rate 6c a word.

KITCHEN SET FREE
(22 INCHES LONG)



Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort, Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

COUPON

D. W. BEACH, BOX 502
Spencer, Indiana.
Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

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THE FIELD

Up-to-Date Farming will publish short letters from members and subscribers relating to matters of general interest. They may be reports of meetings held or to be held; companies formed to build warehouses or elevators for storage of crops; views on any current topic, etc.

MORE GOOD THAN—

I received my Third Power book today and sold it to a neighbor before I got home. Enclosed is 25 cents for another one. I think that quarter will do more good than any other small sum I ever spent. Prices here are as follows:

Pork, on hoof, 9c; potatoes, 8 to 10c; oats, 38c; hay, $10 to 11; corn, 55c; eggs, 16c; beans, $2.00; beef cattle, $4.25 per cwt.—J. U. Church, Clintonville, Wis.

DEFENDS THE RITUAL

Dear President:

Please give me space to reply to the letter of Mr. Geo. Westing in March 15th number which was a retort to my letter previously printed.

First I will make a correction. I said that I would have our God and Savior recognize in a ritual, not proclaimed. Mr. Westing says that would be mixing religion and business. I did not intend that any sectarian doctrine in the ritual, but we can, in it, recognize our God and Savior without being sectarian. In the U. S. Congress is a chaplain and our God and Savior is recognized. Also there is a chaplain in the army and navy. I believe all the following societies have a ritual and God is recognized: Good Templars; L. O. L.; G. A. R., and others. Are not some of these as much business organizations as the F. S. E.

I deny that a ritual service in our local union would disturb business if used for opening and closing the meeting. We have no ritual in the first degree, or first lesson, in the F. S. E., to my knowledge; we have no ritual service for our dead brothers. The Ladies Society of Equity, in this respect has gone ahead of the men and have furnished a service for honoring our dead.

Now, Mr. President, I think out of respect for our dead, and for our locals we should have a general ritual service. I would like to hear from other members on this subject.—L. G. Button, East Jordan, Mich.

COOPERATE WITH MILLERS.

I am pleased to report a most satisfactory joint meeting of the millers of this part of Montana and the Farmers Society of Equity at Roberts on March 19th. The purpose was to arrange for such cooperation that would allow the millers to pay us Minneapolis prices for our wheat and secure for them the home orders for flour. The result of the meeting was all we could have sought. The millers are willing to sign an agreement with us that they will pay us Minneapolis prices for our cooperation to secure the local markets for their flour and they further agree to pay a representative from our union to look after the weighing at the mills. So I think we have won a great victory if we can make good next fall. We will do our best to make the F. S. E. solid all thriugh this section.—F. S. Feely, Sec., Roberts, Mont.

NO OTHER METHOD CAN EFFECT THE PURPOSE

Farmers Society of Equity:

I was much pleased to receive your last communication, in which you enclosed me a commission as "Organizer of Lincoln County, Okla., for the great "Farmers' Society of Equity." I have always been in the most perfect sympathy with the organization, as I believe it has the only practical plan for the "Third Power"—and I believe and I believe it will ultimately succeed. I have not only read the "Third Power" book, but have digested its contents, and am a successful public public speaker, of 25 years experience. I am in touch with the leading moralists of the county, already, being a member of the inter-denominational associations, and if you do not expect things to go too fast for my style, I think I can maintain an organization of the farmers of the county indefinitely. But I would like to stand right up close to headquarters, both in confidence and cooperation. I want to continue to do what I have always done, make one of the strong motives or facts that should inspire the farmers to join this society, the unimpeachable integrity of its head office and the fact that its president is a true philanthropist. I am glad to see that your propaganda literature justifies this view. And I believe that no other class of men nor principles nor method can effect the purpose we seek.—E. R. Williams, Chandler, Okla.



CONSERVATION OF THE SOIL

You tell us in your papr that the farmers and business men are getting close together. Yes, they always do when the farmer is to be skinned. Consrvation of the soil means, in my opinion, a basis for bond issues and speculation. The resources of the country must back up all speculation, and speculation in any of its forms is but the middleman operating between the farmer and the consumer.

The man who conserves the fertility of the soil is saving for future generations. The man who acquires a fertile piece of land and robs it is but trying to enrich himself and let future generatoins take care of themselves. It is not becaus we don't know what to do but because we don't do what is necessary that farming is not more certain. When it rained in Kansas corn dropped two cents in Chicago. The business interests tell farmers to grow more and when they do they tell them the crop is big and they must sell cheap, while monopoly tells us all the time you must pay more for what you buy. And these things will go on until the people are organized and rule.—S. H. Osman, McMinnville, Oregon.

BROUGHT THE TELEPHONE CO., TO TIME

Dear Editor:

I want to relate our experience with our local telephone company for the benefit of your other readers and as an example of what organized and co-operating farmers can do.

On December 27, '09, the subscribers of Greenwood Prairie Telephone Co. got a notice that all telephone rentals *must be paid quarterly in advance* and when not so paid 25 cents would be added to the regular rental charge. The notice was very emphatic to impress subscribers that no exceptions would be made and that a days delay in making payment woudl impose the entire penalty. Also the argument was advanced that if the new terms were not accepted the rates might be raised.

The result of this notice was that many of the subscribers cut loose from the line and attached our phones to our fence wires and we could talk among ourselves just as well as before. On December 31, '09, we got the second notice as follows:

At the board meeting held yesterday it was decided that the advance payment would not be enforced as to those subscribers who pay regularly, and that such may pay quarterly as hertofore. You will probably want to keep your phone under these conditions. Please let me know. —Greenwood Prairie Tel. Co., per J. A. C.

When we got this notice many of us looked on again. If we can do this way with the telephone company we can protect our interests with others. We have our minimum prices in Up-to-Date Farming so that every reader can know when the market reaches the Equity price. That is the time to sell, but when it goes below, sell no more and we will always maintain the price.

I am glad to see that our paper has reached a circulation of 125,000 copies and still growing. Help is scarce here. If any good man reads this who wants a job let me know.—W. O. Reiter, Plainview, Minn.

Bargains in Michigan Farms

No. 1907 Eighty Acres Price $1,800

Of hardwood land, soil mixed sandy and clay loam with clay subsoil. Fifty-five acres scattering hardwood timber and twenty-five acres under cultivation. No wet, rough or broken land on the place. Surface slightly rolling. Less than two miles to good market town, on main line railway. Churches, schools, stores, mills, potato warehouses and creamery at this town. Small orchard of young trees. Property fenced, mostly woven wire, balance barbed. Frame house, 4 rooms on stone foundation, 16x24, 1 3-4 stories high. Frame barn 12x20, on stone foundation room for 5 head of stock, two tons hay in mows, granary and tool house 9x12, wagon shed, free delivery and both phone lines. Taxes $20 per year. Terms—$1050 cash down, balance in five yearly payments, interest on deferred payments at six per cent.

No. 1908 Eighty Acres Price $1800

Mixed timber land, but over, some second growth on place. Thirty-four acres cleared for farming. Ten acres free from stumps. No wet, rough or broken land on place. Nearly level. All fenced, barb wire. Sandy loam soil with clay subsoil. Two and one-half miles to Pleasant Lake. Sixty rods to school. Frame house, 7 rooms, 1 1-2 stories high, 18x22, with kitchen addition. Frame barn 28x42 on cedar blocks, room for 4 horses and 11 head of cattle. Cement milk house, 10x12, chicken house, corn-crib, and tool shed. Tubular well. Four acres of rye, two acres of meadow. Taxes $21 a year. Terms $1,300 cash, balance yearly payments interest on deferred payments at seven per cent.

No. 1909 Eighty Acres Price $1900

Hardwood land, loamy top soil heavy clay below, no hardpan. Thirty acres cleared but not entirely cleared of stumps. Level to slightly rolling. Lies between two hills and is in nature of valley land. Four miles to two good towns on railroad, school on opposite corner. Water piped to house and barn from fine spring. Fenced and cross fenced. Frame house 6 rooms, 16x26, 1 1-2 stories high, with kitchen addition, 12 feet square, cellar 12x12. Rough frame barn of no great value 24 feet square. Taxes $18. Terms $800 cash down, balance yearly payments, interest at six per cent. on deferred payments.

No. 1910 Seventy-two Acres Price $950

Hardwood land fronting on Pleasant Lake, a 200 acre sheet of the wettest water in Michigan. Fine soil of loamy clay and some muck. None of it is improved. About 50,000 feet of hardwood, cedar, black ash and tamarack and 6,000 cedar posts which is worth a large part of all that is asked for the place. Cadillac is seven miles, church and school less than 2 miles. On main travelled road. Terms—$650 cash balance $100 per year interest six per cent. on deferred payments.

No. 1911 Forty Acres Price $1,000

Level hardwood land, soil clay loam and muck underlaid with heavy clay, no hardpan. Splendid trout stream runs through place. Ten acres virgin timber, 100,000 feet easily. Six acres cleared, one-half stumped, balance not hard to clear. Eight miles from Manton, good town of about 1200, two miles to school, one mile to church. Frame house, six rooms, post barn, stable room for 10 head, mows for 7 tons. Location fine, soil rich, roads good, neighborhood good, timber practically pays for 3-4 of place; what more could you ask for $1,000 cash which is the price in a lump.

No. 1912 Forty Acres Price $2850

Of rich level to gently rolling hardwood land, top soil, sandy loam clay below. Five acres virgin timber amounting to over 20,000 feet with 200 cords of wood in addition. Thirty-three acres cleared. Twenty-four free from stumps, no waste land. Seven miles level drive to Cadillac, three and a half to church and three-fourths mile to school. Two acre orchard of cherries, pears and apples. One and three-fourths story ten room frame house on stone foundation, stone cellar, two porches. Frame barn, post and cement foundation, room for 7 head of stock, chicken house, etc. Two wells one at house and one at barn. All fenced woven wire. Excellent location, house well finished, on rural delivery and phone installed. All this for two thousand eight hundred fifty dollars, one-half cash, balance easy terms at six per cent.

No. 1913 Forty Acres Price $2500

Rolling hardwood land, on main road, five miles from good town on railroad, main line, two miles to church and half a mile to school. A dandy place for fruit with two acres set out, part of it in bearing, apples, cherries, pears, plums and grapes. Soil clay and sandy loam with clay below. Thirty-eight acres under cultivation, with only 40 stumps remaining. Two acres in wood lot with 6,000 feet of merchantable timber. One story five room frame house on stone foundation 16x36, well 14x24, pleasant porch, stone cellar 14x24. Heavy frame bank barn on stone foundation with cement floor, 40x50 with 20 foot studding, room for six head of horses and 17 head of cattle, 100 tons of hay and 1,000 bushels of potatoes. Chicken house. Rural free delivery and phone line. Insurance carried $1,500. Taxes paid per year $10. Barn alone is worth $1,200, the house $800, the land $1,000, making a total of $3,000. You can buy this place at $2,500 on terms of $1,500 down balance two years at six per cent. interest.

No. 1914 Forty Acres Price $1600

Rolling beech and maple land; ten acres in standing virgin timber amounting to 100,000 feet, ten acres of scattering wood timber and twenty-acres under cultivation, fenced and nearly free from stumps. Small family orchard. No waste land and the soil is a dark clay loam, very rich. Four and a half miles to good town on railway, three-fourths mile to school. One story frame house on stone foundation 16x24. In splendid community. Taxes $7. Think of the timber! Terms—Half down, balance in three payments at six per cent. interest on deferred payments.

In addition to the above properties, which were selected at random from many others I offer for sale, a complete list of which will be sent on request, I own over 15,000 acres of unimproved lands. These cut-oer lands present the same opportunities so far as advantages of soil, climate and location are concerned. I sell them in lots of 20 acres up at prices from $6.25 to $15 per acre, on very easy terms, giving you a year in which to personally inspect your purchase, giving you the privilege of exchanging at present prices if you are not fully satisfied. The advantages of my lands warrant this offer. If you look up my record you'll find that I have made good all promises.

Write me today for my list of farms and my books and map of unimprcved lands.

SAMUEL S. THORPE
Owner of the Cadillac Tract.
1320 First National Bank Bldg., Chicago, Ill. Room 2, McMillen Bldg., Cadillac, Mich.

This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

C. F., KY.—The Equity System is exclusively for members of the Farmers Society of Equity. We will not print the names of the receiving houses and our representatives in the official paper, but will send them to your local union as soon as you have crops to ship and when your secretary applies for them.

COOPERATIVE BUYER, IOWA—There is no prohibition against the members of your local operating the store, if you build an Equity Hall. In such a case the secretary ought to be the store keeper and he should be chosen with reference to his fitness. While the policy of such a store has not been officially passed on by the Farmers Society of Equity my opinion is that goods should be sold to members at as near cost as possible, and at reasonable prices to others who patronize the store. I believe the store should not be operated primarily to pay dividends but to save the members money. If the business is done conservatively a surplus will be accumulated which, for a time at least can be used to make additions and improvements.

ORGANIZER, OSCEOLA, MICH:—Your county will be considered as organized when there is a local union at each important shipping station and a county union at the county seat or a central point. Yes, a single local union, in a county can use the Equity System of marketing but it can get better results if the county is organized. It will be more cumbersome to report the demand to individual locals. The plan is to report to the county union and let it report to the locals in the county which can be done by telephone. There are about 3,000 counties in the whole country and about 2500 of these are agricultural counties. So you see it would not be a very great job if it were necessary to report to all the counties each day, but if this number was multiylied by an average of 10 locals in a county it would be quite a different problem. Ohio has 88 counties, therefore 88 telephone or telegraph messages from headquarters to the 88 county unions would give a comprehensive report on the demands of the various markets. Headquarters gets the reports from our own representatives. Since the telegraph companies now take 50 word night messages at the former charge for 10 words the reporting feature becomes even more practical.

Q. *Mr. J. A. Everitt: I am enclosing a clipping from the ..... about a meeting at St. Louis and I see your name is not in the list of speakers. This surprised me. I am for the F. S. E., and I am helping it to win.—S. J. H., Canton, Pa.*

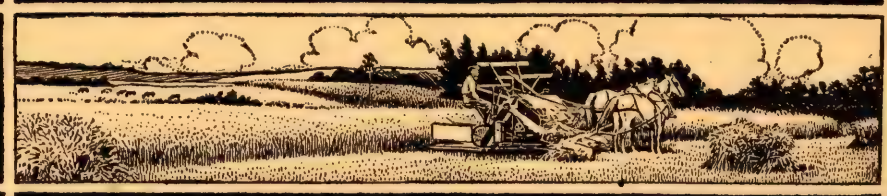
A. Don't be surprised that my name is not on the list of speakers. The promoters of the meeting know that I would never subscribe to many of the objects mentioned in their call. The Farmers Society of Equity is a different society from those issuing the call as you can judge from some comments that we have made in the department "The Local Union" of Up-to-Date.

Q. *I understand the ideas and objects of the F. S. E. in getting the farmers united and am in full accord with you. But I believe I haven't a clear idea of how the society will be an advantage to us here. I mean this: If we organized a local union in Harrisonburg with say three dozen members, what advantage will the members have over their neighbors? I can see that there will be a decided advantage after the whole country is organized but we must show the people immediate benefits to get them interested. Myself and others have been talking of something of the kind for a couple of years, so I think if we can get it clear before them there will not be much trouble to get one or more locals organized.—A. B. C., Rockingham Co., Va.*

A. Rockingham county produces varied and large quantities of agricultural products and Harrisonburg is the chief city. Your city is, therefore the market place for immense quantities of agricultural products, also it is the depot from which farmers in the county are supplied with many of their needs.

You need in your county a number of local unions of the F. S. E., one at each shipping point and one at Harrisonburg, also a county union at Harrisonburg. All of these unions will be business organizations and the secretaries will, through the directions of the members and the aid of the reports of demand from the various markets, be constantly working for the members interests in selling and shipping crops and in buying supplies. Also through the local unions farmers can do many things of a local character that could not be done without such unions and their cooperation. Also, all the local unions working through the county union can accomplish things of county character that it would not be worth while to attempt otherwise. Also there are many local unions in other parts of the country that can sell to you direct what you need to buy, or buy from you direct what you have to sell.

Grain Cash



Your Responsibility and Opportunity

EACH farmer knows what share the rest of his family has taken in preparing for the grain harvest. Also the responsibility that rests upon him alone to choose the machines which will give the greatest amount of grain from his fields for the cash market.

Think back to last harvest time. Did you get all the profit from your acres that should have been yours? Or through delays, caused by tinkering with broken-down or inefficient machines, did you lose valuable time? Did you get all the grain—tangled or down—or did your machine leave a part of your profit in every field? Ask yourself today. Did I get the best results possible from my harvesting machine last year, and if so is it in condition to give me the same service this year? If not—every waste in net results takes that much away from family comfort, happiness and prosperity.

Choose wisely then—take time by the forelock now—and be prepared to deliver 100 per cent from your fields to the thresher.

The harvesting machines which have stood the tests of over 50 years—are the six of the celebrated I H C Line.

Champion McCormick Osborne
Deering Milwaukee Plano

These machines have demonstrated the practical verdict of over a million farmers all over the world.

They are the best that most expert workmen and machinery and high grade materials can make them. They have been improved every year in every detail of construction, whenever it has been found that any improvement could be made. These machines are built to work successfully under the varying conditions found in the harvest field. If the grain is down and tangled the reel and platform can be so adjusted that all of the grain will be cut and bound much the same as when it is standing straight.

In the manufacture of I H C machines great care is exercised both in the selection of materials and in construction. All the bearings are easily accessible so that you will have no difficulty in oiling the working parts and giving the machine the attention which it should have in order that the full measure of success may attend its work throughout the harvest season. Every precaution is taken to furnish you with a machine that you can depend upon during the busy harvest time when delays cost money.

Interchangeable parts that fit perfectly are quickly at hand, in case of emergency through your I H C Dealer. No delays when your ripe grain must be harvested.

And with any of these I H C machines you receive the most trustworthy, broadest guarantee of service, durability, simplicity, workmanship and materials.

No point in your absolute protection in every way has been overlooked.

You profit by the best experience not only of the vast majority of farmer users, but also by the experience of the most complete manufacturing organization in America.

See the I H C dealer at once. Take your choice of these machines. The quality is the same in all—the best possible.

Don't experiment with binder twine, either. Some low grade fibre may be used in the manufacture of binder twine for the harvest of 1910, and it is unnecessary to state that those who attempt to use twine made from low grade Manila fibre will have troubles of their own.

It is to the farmer's interest always to keep a weather eye on the future, and in this particular instance to secure his twine supply, whether it be Sisal or Manila, at as early a date as possible. Get one of seven perfectly dependable brands of twine and be sure. Choose Champion, McCormick, Osborne, Deering, Milwaukee, Plano or International—in Sisal, Standard, Manila and Pure Manila brands.

If it is not convenient to see an International Dealer, write for full information and the catalogues you want.

INTERNATIONAL HARVESTER COMPANY OF AMERICA
(Incorporated)
CHICAGO U S A



THE I·H·C LINE

LOOK FOR THE I. H. C. TRADE MARK. IT IS A SEAL OF EXCELLENCE AND A GUARANTEE OF QUALITY

WANTED AN ORGANIZER IN EVERY COUNTY IN THE UNITED STATES to organize a **LOCAL UNION** of the Farmers Society of Equity at every important shipping station and a **COUNTY UNION** at the county seat, or central point. Larger fields for capable people. Write for our terms.

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

Personal to Farmers

Who Want to Become Rich Growing Alfalfa

It is a well known fact that land that will produce Alfalfa abundantly will grow big crops of everything else. It is also a fact that Alfalfa growing makes the ground richer. We are offering at a fair price and on reasonable terms, land that cannot be excelled for Alfalfa growing. And this means that it will grow anything else in the way of wheat, oats, corn, vegetables, fruit and produce hogs at 1 1-2c a pound.

Alfalfa produces four crops a year on our lands and averages a ton each cutting. It sells in our market averaging a mile from our lands at $18 to $20 per ton. Is there money in it at this rate? It will pay for the farm in two years and you will have better land at the end and land worth $150 per acre.

We have for sale improved farms, churches, schools, stores, banks, markets, two railroads, neighbors and all conveniences. No pioneer work. Everything ready to plow and plant. Prices very low; part payment down; balance arranged so the crops will pay it out in two years or less.

This is a high class proposition. Nothing else will equal it. You are not offered cheap land dear at any price but land that will double in value in a very short time. Send for booklet and full particulars.

Mississippi Black Prairie Land Co., Indianapolis, Ind.

Make Money Growing Fruit

Every issue of The Fruit Belt tells of the successes of Michigan fruit growers. It gives practical and helpful advice in every branch of the business—Selection of Soil, Choice of Varieties, Planting, Cultivation, Fertilizing, Spraying, Pruning, Thinning, Picking, Packing, Marketing, etc. Every article is written by a practical man who is making a success in the business. Illustrated with actual photographs taken right in the orchard, showing just how the work is done.

If you are interested in the successes that are being made in Michigan, send for The Fruit Belt—50c per year, 3 years $1.00.

SPECIAL OFFER

We will send 3 issues, including a big special number, for 10 cents coin or stamps.

THE FRUIT BELT
11-14 So. Ionia St. Grand Rapids, Mich.

Always mention UP-TO-DATE FARMING when writing to advertisers.

JAP SNEEZE POWDER



Cachoo. Latest novelty for jokers, A specially prepared powder, extra strong. Smallest part when blown in to the air causes every one present to sneeze. Sample PP. 10c. 3 for 25c silver. R. S. Cameron & Co., 24-30 5th. St. Marcy, Minn.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Agents Wanted

AGENTS: 100 per cent. profit. Monkey-wrench, plumbers plyers, with 13 other tools combined. Most wonderful combination of tools ever made. Lightning seller. Sample free for examination. Forshee Co., B, 1365 Dayton, Ohio.

AGENTS—Handy Hame Fastener. 200 per cent. profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

Correspondence Schools

DON'T PAY $20 to $30 for Real Estate, Insurance and Brokerage Course. I sell one for $2.50, same as sold by certain company at $20 or money back. D. W. Edmonds, Youngstown, Ohio.

Farm Lands For Sale

CHANCE OF A LIFETIME. Let us tell you how to acquire an improved farm of 120 acres of richest soil in the world for only $500 cash; can be made to produce yearly cash rental of $750. 65 to 85 bushels corn per acre; alfalfa grows to perfection. Wilson Land Investment Co., Indianapolis.

FOR CHEAP HOMES in a mild climate among sociable white people, write T. B. Chaney, Beebe, Arkansas.

FOR SALE—Good 96 acre farm, 4 miles Muncie, Indiana, black soil. 5 per cent. money to loan. Hickman, 508 State Life Bldg., Indianapolis.

MICHIGAN FRUIT AND FARM LANDS—We sell improved and unimproved farm lands right in the celebrated fruit belt of Mich. Lands very productive for farming and fruit growing. Write us for information. James Greacen, Kalkaska, Mich.

ROUTT COUNTY, COLORADO—Bargains in ranches and relinquishments; some good homesteads yet to be taken in this locality. Write us. Wright & Son, Yampa, Colo.

240 ACRES to sell. Good stock farm, six room house and barn. Write for particulars. Chas. Hewitt, Owner, Avery, Lincoln Co., Okla.

Farms Wanted

WANTED—Farms and businesses. Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, Minneapolis, Minn.

WANTED—TO RENT a farm of 100 to 200 acres in Indiana, or central states. What have you to offer? Address Alden, Sta. A., R. R. 36, Indianapolis.

Fencing

UP-TO-DATE MOVABLE FENCE PANEL—You make it at home out of old material. Storm proof. Set a rod a minute. Mad River Fence Co., West Liberty, Ohio.

Ferrets

5,000 FERRETS for sale. Write for price list. It's free. Safe arrival guaranteed. De Kleine Bros., Jamestown, Mich., Box 80.

For Sale—Tobacco

30,000 POUNDS leaf tobacco for sale. Send stamps for sample to Anton Wavrin, R. R. 5, Box 34, Franklin, Ky.

For the Home

RICE—100 pounds, beautiful, clean white table rice, delivered in double sacks, freight prepaid, to your railroad station, $4.60. J. Ed. Cabaniss, Rice Farmer, Katy, Texas.

Male Help Wanted

LOCAL REPRESENTATIVE WANTED—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The Nat'l. Co-op. Real Estate Co., Suite 511 Marden Bldg., Washington, D. C.

MEN WANTED—To prepare for next Railway Mail, Internal Revenue, Customs and Postoffice Examinations, $50.00 to $125.00 monthly. Annual vacations. Short hours. Rapid advancement. No "lay-offs". Common education sufficient. Country and City residents stand equal chances. Political influence unnecessary. Over 15,000 appointments to be made this year. Write immediately for schedule showing places and dates of coming examinations. We are preparing candidates free. Franklin Institute, Dep't. S, 29, Rochester, N. Y.

SALESMEN wishing to earn three to five dollars per day, write for terms immediately. First National Nurseries, Rochester, N. Y.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

"PATENTS THAT PAY"—Protect your idea! 2 books free: "Fortunes in Patents—What and How to Invent," and 61-page Guide. Free report as to patentability. E. E. Vrooman, 838 F St., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

CHICKEN Gape Worm Extractors, unequalled. Three for 25c. Guaranteed. Dr. Wm. Hallowell, Johnsville, Pa.

52 LEADING VARIETIES poultry, pigeon, hares, stock and eggs, for sale. Catalog free. H. Musselman, Morwood, Pa.

RHODE ISLAND REDS—Irvington Rose Comb strain. Finest on earth. Special for summer: 20 eggs for $1.00. Irvington Poultry Yards, Irvington, Ind.

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

20 EGGS, $1.00. Special summer price on Irvington Rose Comb Rhode Island Reds. Order from this advertisement. Irvington Poultry Yards, Irvington, Ind.

UTILITY FARM ROCKS Barred and White, 15 yr's line bred for winter eggs, meat, health and vigor. March 1 page 13 large ad. Fertility guaranteed. Address Utility Farm, Watsontown, Pa.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to M. George & Co., 95 S. Water St., Chicago. Established 1866. Member the National League of Commission Merchants of the U. S. This house has special terms to quote to members of the F. S. of E.

TAKE NOTICE, poultry, eggs, potatoes sold highest prices. T. J. Hoover, 344 Water St., Phila, Pa.

Roofing

ROOFS, WRITE ME before buying roofing. Can save you money on every roll. Rubber, canvass and flint-coated roofing. I will tell you which to use on your particular building. Agricultural Oils. Catalog free. J. W. Mack, 249 Union Bldg., Anderson, Ind.

Seeds and Nursery Stock

BURBANKS WONDERBERRY seed for sale, ten cents per package. Mrs. Ada Hewitt, Franklin, O.

DAHLIAS, 20 kinds $1. H. Burt, Taunton, Mass.

GERANIUMS AND BOSTON FERNS—$1.00 will buy one Boston Fern, fine big plant, and twelve new winter flowering Geraniums. ostage or expressage paid. B. E. Wadsworth, Box 224, Danville, Ill.

HIGH BRED BROOM CORN Seed, more and finer corn to acre than ordinary seed. Write W. P. Fanning Seed Co., Oakland, Ill.

SIX WEEKS seed potatoes for sale. $1.00 per 100-lb. sack. Kruger Bros., Arco, Minn.

Thoroughbred Stock

IMPORTED BELGIAN STALLION, weight 2,000 lbs. Will sell for cash, or trade for cattle, sheep or horses. B. S. Hollopeter, Big Timber, Mont.

Tobacco Cures

BROTHER—Accidentally discovered root will cure tobacco habit and indigestion. Gladly send particulars. G. T. Stokes, Mohawk, Florida.

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Greatest discovery of century. Send your name at once. KING NI-KO U, Wichita, Kansas.

THE MICHIGAN CONVENTION

(The report of the Michigan convention came after the forms for this number were closed but we make room for the following brief extracts.—Ed.)

The Michigan State Union F. S. E. convened at Traverse City April 7th as per call. There were over 100 delegates in attendance. The condition of agriculture in the state is such at this time that everybody was of one opinion; that the organization must be extended and more complete cooperation secured. This is particularly true for the growers of potatoes. All that was offered for potatoes in the Traverse City market on the day of the convention was 8 cents a bushel. It has been many years since the price was so low.

The following officers were elected:

President, David Rouch, Empire; Vice President, Frank Kidder, East Jordan; Secretary, Charles Edgecomb, Traverse City; Treasurer, James Howey, E. Jordan. Directors: W. H. Beeman, Empire; C. A. Mastin, Sherwood; Mr. Foutch, Elk Rapids.

State Organizer—W. H. Beeman.

The fact that most of the officers are from the Northern part of the State will permit of cooperation and team work through frequent meetings which it is proposed to have. All of the officers are long-time members of the Society, understand its plans and are thoroughly convinced of its necessity. They will without delay, prosecute the organizing work and we hope to see Michigan sufficiently organized this year to prevent a recurrence of the disasterous season, for our chief crop, that is just drawing to a close.

Organizers are wanted.—James Howey, Treasurer.

IS YOUR ORDER HERE?

Following we print a list of orders we have received with insufficient addresses. We hope through this publication to reach the senders. When writing about them say "advertised" and repeat your order.

From Chicago, Ill., 50c.
From Bowden, N. D., 25c.
From Ismay, Mont., 60c.
From Silver, —— Nebraska, 30c.
Mailed at St. Paul, Minn., 8c.
Wm. O. Seal, Brown Co., Ind., 25c.
Bandon, Oregon, 25c.
Forest (by the post mark) 25c.
Some town in Minnesota, 50c.
Some town in New Mexico, 30c.

MEETINGS

Meetings to organize local unions will be held at the following points:

Colo.—Hicks, Las Animas Co.
Iowa—Hartwick, Powesheik Co.
Kas.—Randolph, Riley Co.
La.—Corbin, Livingston Co.
Mich.—Akron, Tuscola Co.
Alger, Arenac Co.
Maple City, Leelanau Co.
Freesoil, Mason Co.
Minn.—Cormorant, Becker Co.
Claremont, Dodge Co.
Mont.—Livingston, Park Co.
N. Y.—Batavia, Genesee Co.
N. Dak.—Griffin, Bowman Co.
Ohio—Pomeroy, Meigs Co.
Ohio—Afton, Clermont Co.
Okla.—Alva, Woods Co.
Okla.—Waynoka, Woods Co.
S. Dak.—Highmore, Hyde Co.
Texas—Ratcliff, Houston Co.
Rockland, Tyler Co.
Wis.—Berlin, Winnebago Co.
Wis.—Bennett, Douglas Co.
W. Va.—Red House, Putnam Co.

POETRY VS. FARM WORK

Farmer Corntassel's son will return from college with poems oozing from the ends of his hair, the tips of his fingers and the very soles of his shoes will squeak with prosody.

When asked to assist in such chores as belong to farm life, he will thus decline:

I can not hoe the taters, dad,
'Tis not for lack of time.
You made me go to college, dad,
And all I make is rhyme.

I can not tote the stove-wood in
Nor milk the brindle cow.
They didn't teach such things at school
And I've forgotten how.

So if this vulgar work be done
'Twill be by vulgar hire.
I ne'er can slop the pigs again
But I can strump the lyre.

So hoe your taters, daddy dear,
Let love the task enthuse—
But when you want immortal odes,
I'm a bear cat on the Muse.

—The Bystander.

$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K1867 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

Stomach Troubles Vanish Like Magic

FREE to Every Man or Woman



Dr. Young's **PEPTOPADS** cure where medicines alone **fail.** They regulate the bowels, relieve soreness, and strengthen the nerves and muscles of the stomach in either sex. You can eat what you want and all you want without fear of distress. The cures effected are marvelous. If you have **Dyspepsia, Indigestion, Sour Stomach, Distress after Eating, Nervousness, Dizziness, Heart Fluttering, Sick Headache,** etc., send **10c** to cover cost of mailing, and I will send you a **$1.00** treatment absolutely **free.** It will relieve you immediately. Address **DR. G. C. YOUNG, 35 National Bank Building, Jackson, Michigan.**

PILES **CURE—ETTO** guaranteed SURE Cure. Quick relief. We mean a cure and furnish proof and best references. Our cure mailed sufferers FREE on trial. If benefitted pay $1.00; otherwise pay nothing.
Home Treatment Association, Dept.50, Indianapolis, Ind

Get Well!

Let Us Send You 1 Box of Laxa-Tonic FREE

NO need to suffer another day from Stomach Troubles, Constipation or Indigestion. Just let us send you, FREE, one box of this wonderful new discovery—Laxa-Tonic—a laxative to clean out the system and a tonic to build you up at the same time

Trade Mark
Laxa-Tonic

A Constipation Cure—Also a Great System Re-Builder

The Wonderful Stomach Remedy

Most laxatives are harsh in action—they gripe you and weaken the tissues and break down the system. Laxa-Tonic is easy in action—sure and certain but with no gripe, no pain, and just the right effect. And its tonic properties build up the system, strengthening the tissues at the same time waste matter is removed. We want to prove to you what great relief it will give you and what it will do to make you well and strong—so we make the offer of one box of Laxa-Tonic FREE, asking only that you send 10c in stamps to cover mailing cost. Be sure to write for FREE box at once before you forget it.

LAXA-TONIC CO.
Dept. 13, 315 Dearborn St., Chicago



IF YOU DUMP YOUR CROPS ON THE MARKET AND INJURE YOUR NEIGHBOR WHO IS HOLDING FOR A FAIR PRICE, YOU WILL HAVE THE FINGER OF PUBLIC ACCUSATION POINTED AT YOU.

Growers of Produce

IMPORTANT NOTICE

The Farmers Society of Equity has announced the Equity System of marketing crops, and invites producers everywhere to avail themselves of it.

This special service includes direct shipping, one or more selected houses on each important market, inspection of all shipments on arrival, auditing of all sales by the society's representative, top prices and honest accounting. Also through our large corps of representatives, producers will, for the first time, be able to get dependable advice as to the demand in the many markets of the country enabling them to market intelligently.

We do not promise that the producers will be able to make prices on all produce this year, but they can exert a larger influence on prices, through this system, than ever before. Besides the guarantee against misrepresenting the quality of the goods and guaranteed honest reports are things that the ordinary producer did not have before. Also, working along this line we will gradually get enough crops under control when the producers will decide all the prices.

The **EQUITY SYSTEM** of marketing is the greatest one ever established. It is along right and sound lines. It does not require a dollar of capital stock. It does not make war on the present handlers but, by marketing through selected houses it is only a matter of the farmers using the system when they can soon absolutely decide **how many houses shall handle farm produce, and on what terms.**

This system established should reduce the price of food to consumers one-third.

If you want to use the system this year, and every producer will want to, send the coupon for full particulars.

— — —This is the Coupon— — —

Farmers Society of Equity, Indianapolis, Ind.

Gentlemen: Please send me free, full particulars of the Equity System of marketing, how I can use it and the benefits it will be to me.

The chief surplus crops produced here are .....

.....

My shipping station is .....

.....

My Name is .....

My Address is .....

Haul you 2,000 miles

The railroads should erect a monument to Greely. He happened to say: "Go West Young Man" and the roads have spent millions to let you know that he said it. You see the railroads wanted to haul you several thousand miles. Let you freeze half the year, let you work yourself half to death the other half, and then haul the produce you raise, two or three thousand miles back to the people. You know, the customers—the people who eat the things you raise, all live back over here in the East. They have told you nothing of Florida right here at your door. They have not told you that Winter vegetables will sell for twice as much as summer vegetables. You know 40 states will produce summer vegetables but we must depend on Florida alone for winter vegetables.

No, the railroads haven't said anything about these things, but we propose to let the world know about it, at our individual expense. Fortunes are being made raising vegetables in Florida. A request will bring you our valuable book of FACTS. Florida Land Company, P. O. Box 575, Chipley, Fla.



WANTED ----SALESMEN---- **AGENTS**

Startling Opportunity To Make Money Fast

At Home or Traveling—All or Spare Time

Experience not necessary. If you are willing to get out and hustle, write us and we will show you how to make $25.00 a day.

How we put dollars into other people's pockets. One man's orders were $1,267.20 one month (July), profit $827.20. One agent in Mississippi made $26 in three hours. Harry Finkle, of Kansas, finds no one refuses to buy; all to whom he shows sample take at least two or three pairs. Remarkable records, aren't they? What others have done you can do, too. You can easily sell 100 fasteners a day, making $25 a day clear profit.

These are actual, paid-up customers whose orders we can show you right in our office. We can give the full name and post office address of any man or woman, if you doubt.

A new invention! Ferry's Handy Hame Fastener! A turn of the hand and the hames are locked! Think of it. Nothing like it. Every owner of a horse must have several, fits any hame. Fastened in a twinkle!

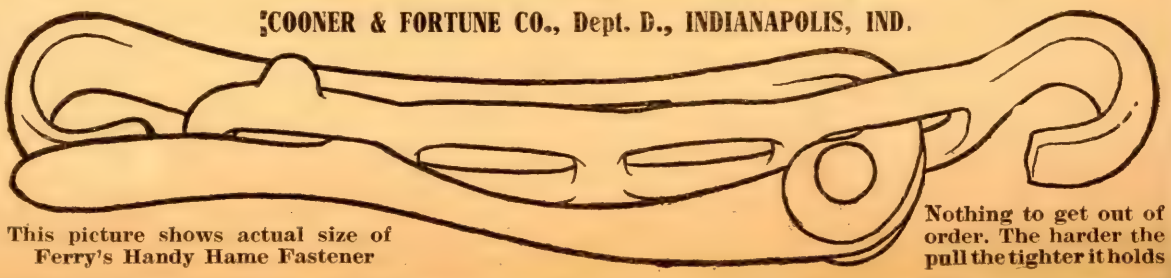
We want one good representative in every community. Hundreds are writing us daily. Full particulars free. Send only your name and address on a postal. We will

Sample postpaid to prospectice agents, only 50c. Write us at once.

COONER & FORTUNE CO., Dept. D., INDIANAPOLIS, IND.

Snapping Ferry's Handy Hame Fastener. The hames are securely locked.

DO IT NOW



This picture shows actual size of Ferry's Handy Hame Fastener

Nothing to get out of order. The harder the pull the tighter it holds

GREAT SIXTY-DAY OFFER

Everybody wants a telescope. Who has not wanted to study the stars at night? Who has not needed to see things at a distance?

But a good telescope has heretofore been out of reach of the masses because of the price. A small, inferior glass would cost a good many dollars. We want to introduce the Excelsior Telescope into thousands of new homes so make this most liberal and astonishing 60 day offer. Tell your friends—advertise it—that is the object of this offer. Only $1.00 for a telescope three and one-half feet long when extended. Measure of the distance—42 inches. The like was never known before. Order today before our supply is exhausted. Remember we guarantee satisfaction or money back. No risk when you order an Excelsior Telescope. And we will include a Solar Eye Piece that has never been supplied before on telescopes selling for less than many times the price of this. Study the sun—look at him face to face by using the Solar Eye Piece.



Telescopes heretofore provided with a Solar Eye Piece or dark lens for sun observation have cost from $8.00 up. We have reproduced a Large Solar Telescope, which for $1.00 will enable people to correctly see the sun for the first time. Previously you have only seen the rays of light, or sunbeams.

STUDY THE SUN

The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light, which is larger by 900 times than all the planets combined, and which supplies all the planets with energy by its radiance. Our $1.00 Excelsior Telescope will help you in this study, notwithstanding the fact that the Sun is 93,000,000 miles away. Through the Solar Eye Piece you can see the sun as you never saw it before. Not only is the sun magnified throu this Telescope, but the Dark Lens and the Solar Eye Piece robs it of its dazzling effect on you, and you can see the sun properly.

This is a long, powerful Telescope, for terrestrial and celestial use. This Telescope is provided with an adjustable Solar Eye Piece for sun observations. Every student, male or female, needs this Telescope to study the sun in *eclipses*, also the mysterious recurrent sun spots.

Never before was a Telescope with Eolar Eye Piece sold for less than $8.00 or $10.00. This Eye Piece alone is worth more than we charge for the entire Telescope to all who wish to behold the sun in its tranquil beauty. Remove the Solar Eye Piece Lens and you have a good, practical Telescope for land observation, etc.

POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3 1-2 feet, in 5 sections. They are brass-bound, brass safety cap on each end to exclude dust, etc. with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1. Postage 10 cents extra. If insurance is desired, 10cts. more. This is a grand offer, and you should not miss it. We *warrant* each Telescope to give satisfaction or money refunded.



Superior to a $15 Glass

Fred Walsh, of Howe Island, Ont., Canada, says: Gentlemen—I have just received your telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are more than double what it cost me.



Brandy, Va.

Gentlemen:—Please send me another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money.—R. C. Allen.

An old hunter tells us that he never goes into the woods without a strong lense to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines.

Microscope and Telescope

I have fairly tested the Excelsior Solar Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.—F. S. Taylor, Box 376, Davenport, Iowa.



Using the Eye Piece of an Excelsior Telescope as a Microscope.

BUY THE BOY A TELESCOPE

Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy*, if he is given a few ideas now to think about.

There are always many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*

HISTORY OF THE TELESCOPE

The telescope seems to have originated in Holland early in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own Excelsior Telescope was first brought out in 1886, but the Excelsior Telescope of today, with its Solar Eye Piece, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.

COUNT CATTLE 20 MILES AWAY

A Kansas Farmer Counting Stock Twenty Miles Away

I wish all to know how satisfactory the Excelsior Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, Yours truly, F. G. Patton, Arkansas City, Kans.

Mr. C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes, says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.

Could Discern Boats from Five to Ten Miles Away

GOOD THINGS OTHERS SAY

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.

Very satisfactory.—Eugene J. Halle, Booneville, Mo.

Wonderful at the price.—Alfred L. Edwards, Athol, N. Y.

Satisfactory in every way—H. J. O'Sullivan, Schnectady, N. Y.

Much better than expected.—O. R. Oakley, Bridgeport, Conn.

Just as you represented.—T. W. Wakeman, Waterlick, Va.

Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.

Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.

Would not take $5 for it.—Thomas L. King, Luffman, S. D.

If I could not get another, would not sell it for $10.—J. T. Huntre, Falls, N. C.

Could read signs on Oakland Pier, three miles away.—E. Salanave, San Francisco, Cal.

Send two more; well pleased with first one.—J. W. Seifert, Prattville, Ala.

WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room to print.

You need not take our word for it, but write ony one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITY*, and send us the money, *and we will guarantee you perfect satisfaction or money refunded.*

SUN SPOTS



The mysterious spots on the Sun. Get our Solar Telescope and see them.

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the general level. Their cause and the precise theory of their formation are still uncertain. At intervals they are very abundant; then there are periods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and the violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effectcs upon the weather!



Using an Excelsior Telescope Lens to Light Cigar

Let the keynote of this advertisement be implicit confidence in us, and we will make good or money refunded.

A Telescope brings new brain cells into play; it opens new avenues of thought and broadens one's resources.

Interesting booklet entitled **"Telescope Talk" FREE** with each order. This booklet tells all about the care of telescopes, eclipses of sun and moon, etc.

THE GREAT $1.00 WONDER

The Pleasure and profit derived from this Telescope is like money invested at compound interest—the longer you have it the more you get out of it.

PRICE $1.00—By mail, prepaid, delivered in perfect condition, insured, $1.20. By mail, not insured, $1.10.

People's Wholesale Store, - - Indianapolis, Indiana

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

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GREAT MEETING IN ST. LOUIS

(SEE PAGE 3)



WILL THEY BITE?

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING



Friendship Favors

Let me send you 15 Exquisite Floral Post Cards. They are the Richest and Most Beautiful ones Ever Printed

THE demand for the **FRIENDSHIP FAVORS** Floral Greetings and Sentiment cards, wherever seen is several times as great as for any other floral cards ever offered.

I have given away millions of beautiful post cards to subscribers to UP-TO-DATE FARMING but none of them, floral, season or miscellaneous, ever met with such a joyous reception as these beauties. Everyone of the Friendship Favors is a **GEM.**

I do not hesitate to invite every family where my paper goes to embrace this offer; I know that a happy surprise awaits them as this series of post cards is positively matchless and I know there is a desire on the part of each family, and each member of the family to have the most beautiful post cards.

I Guarantee My FLORAL FAVORS Post Cards Will Satisfy You or I Will Refund All Money Without Question.

But I am not going to try to tell you how beautiful they are; I cannot. They must be seen to appreciate their richness, fascination, and appropriateness, either for correspondence or for a collection, I will say however that each card protrays a beautiful rose or flower and many of them have the sentiment of the flower, or greetings. In artistic arrangement and beautiful coloring, produced by **12 printings,** they are unrivaled, they are also heavily embossed and finished in gold or silver.

My Wonderful Offer

To just one member in each family that receives this paper and who agrees to show my new FRIENDSHIP FAVORS post cards to at least five friends in accordance with MY GREAT CARD OFFER, I will send the set of 15 and tell how to get 50 more just as beautiful, no two alike.

You better not miss this offer. When you see what I will send you, you will be surprised and astonished at my liberality. That is what I seek, because then you will take as much pleasure in doing the small favor, I ask as I will in sending these new cards to you.

Fill out the coupon and send right away and you will get the full set by return mail.

J. A. Everitt, Editor Up-to-Date Farming, Indianapolis, Ind.

THIS IS THE COUPON

Mr. J. A. Everitt, Editor, (May 1)
Indianapolis, Ind.

Please send me the 15 FRIENDSHIP FAVORS post cards as offered. I agree to show them to at least five of my friends in accordance with your GREAT CARD OFFER in UP-TO-DATE FARMING. I enclose 10 cents in cash or stamps, as a guarantee that no other member of my family will embrace this offer, and to pay postage, etc.

I send this order with the understanding that the cards are all that you represent them to be.

Name .....

R. R. .. P. O. .....State....



TRAVELING SALESMEN

Earn the Biggest Salaries of any class of men in the world. Over 600,000 employed in the United States and Canada. The demand for good salesmen exceeds the supply. We will teach you to be one by mail and assist you to secure a good position through our **FREE EMPLOYMENT BUREAU.**

We receive calls for thousands of Salesmen and have assisted thousands of men to secure good positions or better salaries. A great many of our graduates who formerly earned from $25 to $75 a month, have since earned from $100 to as high as $500 a month and expenses. Thousands of good positions now open. If you want to secure one of them or increase your earnings our **Free Book,** "A Knight of The Grip," will show you how. Address nearest office for it today.

Dept. 444. NATIONAL SALESMEN'S TRAVELING ASSOCIATION
Chicago, New York, Kansas City, Minneapolis, San Francisco, Atlanta.



WE SHIP ON APPROVAL *without a cent deposit,* prepay the freight and allow **10 DAYS FREE TRIAL.**

IT ONLY COSTS one cent to learn our *unheard of prices* and *marvelous offers* on highest grade 1910 model bicycles.

FACTORY PRICES *Do not buy* a bicycle or a pair of tires from *anyone* at *any price* until you write for our large **Art Catalog** and learn our *wonderful propositions* on first sample bicycle going to your town.

RIDER AGENTS everywhere are making big money exhibiting and selling our bicycles.

We Sell cheaper than any other factory.

TIRES, Coaster-Brake rear wheels, lamps, repairs and all sundries at *half usual prices.*

Do Not Wait; write *today* for our *special offer.*

MEAD CYCLE CO., Dept. F 170 CHICAGO



A FLOOD OF LIGHT FROM KEROSENE (Coal Oil)

Burning common kerosene the ALADDIN MANTLE LAMP generates gas that gives a light more brilliant than city gas, gasoline or electricity. Simple, odorless, clean, safe and durable.

AGENTS MAKE BIG MONEY is revolutionizing lighting everywhere. Needed in every home. Every lamp guaranteed. Sells itself. Our Sunbeam Burners fit other lamps. Ask our nearest office how **you can get a lamp free** or apply for Agency Proposition. **THE MANTLE LAMP CO. of America, Desk** 479
Chicago, Portland, Ore.; Waterbury, Conn.; Winnipeg, Montreal, Canada.

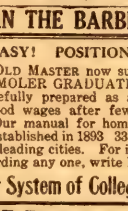
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The OLD MASTER now supplanted by the MOLER GRADUATE who is as carefully prepared as a Doctor. Good wages after few weeks. Our manual for home study. Established in 1893. 33 branches all leading cities. For information regarding any one, write Dept.

Moler System of Colleges CHICAGO



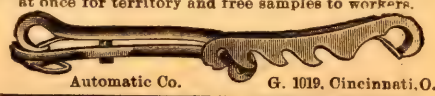
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Handy, Automatic HAME FASTENER



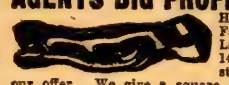
Do away with old hame strap. Horse owners and teamsters wild about them. Fasten instantly with gloves on. Outwear the harness. Money back if not satisfactory. Write today for confidential terms to agents.
F. Thomas Mfg. Co., 881 Wayne St., Dayton, Ohio

$25.00 a day. New invention; horse owners wild about them; agents are coining money; our premium selling plan guarantees immediate sales; write at once for territory and free samples to workers.



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AGENTS BIG PROFIT. Absolute necessity to every farmer and teamster. Metal Hame Fastener. Simple device. Fasten instantly with gloves on. Last a lifetime. **Agents coin money.** 140% sure profit. No chains. No straps. No quack. No trifle about our offer. We give a square deal. Guaranteed, money-back goods. Sample, 35 cents. Particulars free. Write us at once.



Cooner & Fortune Co., Dept. O. Indianapolis, Ind.

GREAT MONEY MAKER FOR AGENTS



Sell Magnetic Combs and get rich; agents wild with success. They remove dandruff; stop falling hair; RELIEVE HEADACHE, never break. Send 2c stamp for sample. **PROF. LONG, 809 Ash St., PEKIN, ILL.**

AGENTS Clay's Medicator for Catarrh, Hay Fever, etc., 100 percent profit. Medicated air blown to the spot—not inhaled. One demonstration sells. Clay Sales Agency, 230, 14th State Street, Chicago.



MAGIC NEEDLES RODS, Goldometers, Chronometers, etc., for treasure seekers. Millions of wealth under your feet. Guaranteed the best made. Interesting booklet for 2ct. stamp. **FREE**
P. & M. AGENCY, 119 Elk St., PALMYRA, PA.



Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.
Miners Supply Co. Dept 2 ,Palmyra, Pa



AGENTS!

Your customers cannot afford to be without the C. & F. Fire Extinguisher. It is an absolute daily and hourly necessity in every home, barn, store, meeting house and factory in the land. It is always ready. A child can use it. It is so inexpensive that no one should hesitate to buy.

Those living in rural communities will especially realize the great need for adequate and convenient protection of lives ond property against fire and welcome this low priced C. & F. extinguisher as a long looked for blessing.

It's the first few minutes of a fire that count. The C. & F. is always ready and convenient. Highly endorsed. The only sure and safe insurance is the C. & F. Fire Extinguisher. Write for terms. **Agents Big Profit.**

COONER & FORTUNE CO.
Indianapolis, Ind.

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Milk Producers And The Cost Of Living

THE New England Homestead is one of the most conservative of publications, but it is taking considerable interest in the controversy over who is responsible for the increased cost of living. In a recent issue it took up the eastern dairy side of the question, and from first hand reports, secured from reliable dairy people in almost all the New England states, learned that, "in thousands of cases the dairy farmer is barely getting a new dollar for an old one; "in other words, those in the dairy business in New England instead of making money are merely swapping dollars. "Some are doing business at a decided loss and no one is making a fortune."

After considering the cost of production, T. G. Bronson of Caledonia county, Vermont, declares "milk would have to be sold at 4.6 cents per quart to come out even." Albert Webster of Worcester county, Mass., says: "My 30 years' experience in dairying in New England convinces me that a farmer who is selling milk at less than 4 cents a quart is taking an endless trip up hill with the rear wheels on the forward axle; he is breaking his own back." Jonas Bemis of the same county declares: "It cost me to produce milk 5 5cents and a fraction a quart, and I have lost more than one cent a quart for all I have sold." Prof. J. W. Sanborn, Belknap county, N. H., giving an itemized statement of the cost of producing milk says: "This shows a margin of profit on milk too close for the risks and capital and labor involved." R. E. Buel, Tolland county, Conn., manager of a large dairy farm owned and operated by a large silver manufacturing company, gives a detailed statement of the receipts and expenditures, and closes by saying: "This shows an actual loss of $500 annually." E. B. Barr, Rutland county, Vt., reports that his milk was all shipped to Boston and sold, the year's business leaving him $117 for his time and labor. Frank Perkins, Essex county, Mass., also giving a detailed statement of receipts and expenditures, makes the following rather gloomy declaration: "The only way a dairyman can keep out of the poor house is by working 15 hours a day and having some other kinds of farming to get a living." S. H. Abbott, president B. C. M. P. C., prefacing his report with the remark that his figures are conservative on both sides, says: "This indicates a loss of $82.50 for the pleasure of handling this herd one year." "The principal reason," Mr. Abbott continues, "why farmers are managing to make a living in this business is because they are doing without necessary help, and some are making up on a profit through other things."

These are not calamity statements. They are reports from conservative people who are leading dairymen in their communities. The leading New England paper that gathered the reports says in presenting them: "The Homestead does not care to present a hard-luck story in beha.f of the farmer; we only seek to present the facts and let them speak for themselves."

And these reports certainly do "speak for themselves," and they ought to be convincing so far as dairy profits in New England are concerned. But are they? Is there not a class determined not to be convinced? Those who profit by the exactions of price between the producers and consumers are determined to make it appear that the prices charged the consumers are made necessary by the prices paid the producers. If that is true then the consumers must pay even more than they do now or there will be no milk for them to buy, for no business can long be kept up at a loss. The dairy herds will inevitably go to the market.

But there is a margin between seller and buyer that, if properly adjusted and equitably divided, would relieve both, and put the business on its feet. Those reporting meager profits or actual losses, did not sell to consumers but to the distributors, who made both prices and naturally took care of the profits.

What can we say more? This is but another case illustrating the general farm product marketing situation. Farmers know it, and they know they are helpless in the grasp of the system. And consumers are equally so. The consumers cannot help themselves, but the producers can. They are the first owners of all the stuff, and they can sell or not as they please. If they would they could have their own system of distribution, not for one but for all products, and thus save themselves and their customers from wrong and extortion.

Producers Not Benefitted By High Cost Of Living

THE contention of the farmers for equitable prices is misunderstood. Equitable prices are not necessarily higher prices. **They are prices in proportion to the general level of values.** When the general level of wage labor is $2 a day, for instance, the price of farm products should be such as to give to farmers, costs and expenses deducted, a like wage; and when the price of saleable commodities guarantee a certain profit to the producers, the price of farm products should be such as to yield a like profit to the producers of them. And it is just as inequitable for the price of farm products to get above that general level as it is for the price of any other commodity to get above it.

The trouble is that the prevalent marketing systems are such that other commodities have an advantage over farm products. The producers of other commodities do not dump their goods. They know and understand each other so well, and are in such close touch with the general markets and distributors, that they never glut markets, or pile up their goods to be taken at whatever the purchasers may be willing to give. This enables producers of other commodities to control markets as farmers believe they themselves dare not think of doing. As a result, farm prices are almost always below the general level.

Once the farm products change hands, however, they are then the property of others and take their place in the list of controlled commodities, and the price to consumers is made accordingly. Then is when the high prices come in, and those high prices are as injurious to the farmers as they are to the consumers. Why? Because they reduce consumption.

Take the simple item of beans, the famous Boston baked beans, for instance. The price of baked beans in Boston has increased nearly 34 per cent. during the past two years, and during that time consumption has fallen from 589,919 bushels to 536,863 bushels, which would naturally leave in the hands of the farmers a surplus of 53,056 bushels that were taken before the price to consumers had been increased.

It is so with every commercial farm product. The demand depends upon the ability to buy as well as upon the price. When the price gets above the ability of the eater to buy consumption ceases; or when the price of a favorite food exceeds the difference in choice between that and some other, the other will be taken.

Farmers, therefore, are not deamnding **HIGH** prices, nor are they receiving them. They believe their labor is entitled to reward similar to that bestowed upon other labor, and that their business merits profits as does other business. Beyond that they want prices to be such as to encourage the largest possible consumption that they may safely increase production.

And it occurs to us that distributors, or handlers, or retailers, are neither wise nor charitable in making prices so high as to reduce consumption. It is a good business principle that, since the general cost of a business is practically the same whether much or little be done, it is better to increase the sales by smaller profits than to diminish the sales by excessive profit. It is easier to aggregate gains by small profits that it is to force equal gains from such profits as prevent sales and reduce business. But city dealers seem never to have considered this principle, nor the humanitarian idea that in prices that prohibit sales they are putting supplies beyond the reach of people that need them.

GREAT MEETING IN ST. LOUIS

A much advertised meeting of farmers is to be held in St. Louis early in May. It is represented as being a national meeting. The promoters give it a fabulous attendance, and the most noted orators of the country, including the President of the United States, is said, will entertain it.

No class of people on earth have a greater right to thus assemble than have the farmers of the United States, and none stand in greater need of a nation-wide consultation. The problems that confront the farmers are of such a nature that they can be profitably and satisfactorily solved only by national cooperation. We rejoice at whatever helps to bring that about. Farmers have so long and so often trusted leaders and plans—leaders in organization and in politics—that have as often proved false to them, that they now scarcely know what way to turn. The disadvantages under which they labor seem each year to become greater and greater—more and more insurmountable. In the days of the Grange and the Alliance, and their contemporary organizations, it would have been much easier to solve the problems than it is now, had the right plan been presented and worked out. But that day with its opportunity is gone, and other issues and conditions are upon us. We are not without hope; but we know there are difficulties to overcome now that had not arisen only a few years ago.

And we are able to say, without the least hesitation, that the St. Louis meeting will be as little like a meeting of farmers as was ever held in the name of that class of people. The speakers themselves, noted and distinguished men and women, names illustrious in organizations of other classes, in politics, in many vocations and in official station, are no nearer in touch with the common farmers, those who have practical struggles with the very disadvantages that will be talked of, than is the White House at Washington with the modest homes of the tillers of the soil. Bright things will be spoken, and the papers will be filled with laudations, but little, will be said, and not a practical thing will be done to rescue the farmers from the tyranny of dishonest and greed-cursed marketing conditions or to give them the equitable right to determine what they shall grow to meet the demands they must fill, or to decide upon the equitable value of the products of their labor.

When it is all over another event will be added to history, and another failure, so far as real benefits to farmers is concerned, will be inscribed on the roll of disappointed hope.

AN OVERPOWERING FORCE

An overpowering force is necessary to compel the privileged classes to surrender to the demands of Justice.. This over-powering force is held by the producers of wealth—the farmers. .This and very much more UP-TO-DATE FARMING is teaching. The sooner farmers recognize the value of this paper and are governed by it the better it will be for the entire human family.

S. E. HAMPTON, Milton, Ky.

The Remsen Board And $86,000

GREED carries people to notorious extremes. Dishonest people not long ago, or people carried away by greed, made a business of buying up putrid meats and decaying vegetables, treated this rotten stuff with chemicals to conceal the rottenness, the chemicals themseles being more or less injurious, and then prepared them in various forms, and put them on the market for human food or condiments. And companies engaged in the preparation of various articles of food thus saved and utilized their own waste products. So notorious did this become that congress a few years ago enacted a law known as the Pure Food Law, that prohibited the use of preservatives that would conceal the bad condition of the article so preserved, or that were in themselves injurious when taken into the human stomach. Of course the law provided the means for its own enforcement, and for once those means seemed to be effective, so much so that the dishonest parties who wished to evade the law, asked the appointment of a special board, not provided for, to investigate the use of the chemicals prohibited by the law. The request of these companies was granted, and the now famous Rensem Board was the result.

As was to be expected, this Board, though made up of eminent people, decided in favor of the companies, liberally construed the law, and modified the rulings of those whose duty it was to enforce it and protect the public from injurious condiments and food. In fact, the history of the Board since its appointment is a struggle against the pure food law. This Board has now cost the constantly depleted United States treasury, in its effort to serve dishonest interests, as a letter from Washington declares, $86,000, and the people have nothing to show for it, says the same letter, but a scientific treatise on benzoate of soda, which is itself a product of filth!

Through the influence of this Board and eminent officials in the Agricultural Department, so we are informed from Washington, benzoate of soda is still used, putrid meats and decaying vegetables, with their rottenness concealed, still go on the market and thence to the tables of the people, and the legal authorities of the law still try to enforce it.

The latest seizure by State authority of suspected bad stuff was a carload of ketchup at Atlanta, Georgia, which was turned over to Dr. Stallings, state chemist, for examination. This eminent chemist found the ketchup so seized had been made of decaying vegetable matter, preserved with benzoate of soda, though the use of the drug was not mentioned in the label. The seized ketchup, so we are informed, then went before National Food Inspector J. L. Lynch stationed at Atlanta, who reported the matter to Washington, and, after an analysis that confirmed that of Dr. Stallings, ordered the car-load of ketchup confiscated. Dr. Stallings declares that whether the use of benzoate of soda is harmful or not, the use of rotten tomatoes is, and no preservative should be allowed to be used that conceals the rottenness.

Up-to-Date Farming has no desire to get beyond its sphere in these matters, but as the friend of the public and the apostle of equitable prices to farmers, we are interested in whateer increases or curtails supply. It is therefore our duty to expose wrongs done the public, without refernce to party or policy; and whatever competes with the farmers' honest crops and increases supply injuriously affects legitimate prices and impairs the current worth of honest labor. When food commodities are permitted to decay, they should go out of the supply, in the interest of the eaters as well as of those who produce the fresh articles. Those brought back by deception and dishonesty, and regardless of the welfare of those who consume them, come into competition with the honest goods just from the fields, and tend to over supply and reduce prices. Their very nature, saved from entire loss, enables them to be sold cheaper than the fresh goods, and thus work a double injury.

Farmers have indeed many points to guard; points they cannot guard short of cooperation through organization. Why, then, are not farmers organized? There is a spirit of organization among the rural masses, but "some are for Paul and some for Appollus. They cannot agree. Too often the glitter of side issues bewilder them, and deception reigns triumphant over their heads. All we urge is that they earnestly "try the spirits." Compare a broad plan that applies to every crop and all problems like we teach with any other that may be presented.

TOO MANY CURRANTS

THE gardeners of Greece have been over supplying the demand for currants, and the production of that fruit has become unprofitable. In the interest of the currant growers, therefore, the government of Greece has passed a bill requiring the uprooting of 25 per cent. of the currant vines of the country, and prohibiting the planting of others beyond enough to maintain the standard of what remains. The object of this measure is to reestablish the equilibrium between production and consumption that the producers may receive fair reward for their labor.

In America when we produce too much of any crop our agricultural chief sends "experts" abroad to learn how to produce more. Potatoes, for instance.

WHAT FOR

NOT long ago the President issued proclamations according reduced tariff rates, the lowest authorized in the new law, to Tunis, Gabun, Mayott and Comoro, French Comaliland, Salvador, Martinique, St. Pierre and Miquelon, the French settlements in India and in Oceania, Guadaloupe and its dependences, French Guiana, French West Africa, Reunion, Madagascar, French Indo-China, New Caledonia and its dependencies.

These are insignificant countries, colonies and principalities scattered all over the globe, and it is now in order to inquire what American combines have a foothold or establishments in them.

SUPPLY AND DISPOSITION OF COTTON

OFFICIAL figures show that September 1, 1909, there were held 1,483,585 bales of cotton. From that time to February 28, 1910, there were ginned 9,974,998 bales, and 93,778 bales were imported. During that period there were used 2,526,983 bales, and 4,599,682 bales were exported. At the later date, 1,674,331 bales were held in the mills and 1,932,521 bales were held in independent warehouses, while there were in other stocks 818,844 bales.

If the independent warehouses are controlled by the planters it still does not show very strong controlled marketing.

MARKETING IN INDIA

BROOMHALL, the world-wide market authority, tells us the farmers of India will not sell their new crop of wheat because the price offered is proportionately below the prices charged and offered for other corresponding commodities. Is it possible that American farmers are the only ones that dump their stuff without any inquiry as to price, accepting whateevr is offered and "asking no questions for conscience sake?"

MR. WILSON AND THE POTATO CROP

THE one crop in the United States of which a clearly defined surplus was produced in 1909 is potatoes. In the centers of production the price on the farms ranges from 15 to 20 cents per bushel. It is decidedly exceptional when 50 cents is offered the producer. It takes deeper culture and richer ground to grow potatoes than almost any other crop, and more expensive harvesting and closer culling than any other crop unless we except apples and peaches.

Good seed potatoes are generally priced not much below a dollar a bushel; sometimes above it; and it takes seven to ten bushels to plant an acre. The seed to plant an acre of potatoes, therefore, costs around ten dollars. The average product for the United States is 80 bushels per acre, which, at 20 cents per bushel, which is actually more than the average price now returns to the grower $16 per acre. Deduct the cost of the seed, and the grower has $6 per acre for the use of his land, cost of fertilizer, and all the labor incident to the production of the crop.

But Mr. Wilson, the dispatches tell us, is to send an expert to Europe to learn how to grow potatoes so that our farmers may produce from 100 to 200 bushels per acre. We believe potato growers will agree with us that they now receive little enough for their potato crop. But increase the yield and get more, say the experts of the Department.

That is the strangely inconsiderate position taken by those who would benefit agriculture. Farmers now supply the demand for potatoes at an average price of about 20 cents a bushel. Increase the yield to 100 bushels per acre and 25 per cent. is added to the supply, and, according to the rule of supply and demand it must take 25 per cent. from the price, or reduce it to 15 cents a bushel. The 80 bushels at 20 cents were worth $16; the 100 bushels at 15 cents are worth $15. The farmer has lost a dollar in the operation. Whatever the price the effect and proportion are the same, and the loss is on the farmer unless the demand can be increased with the supply. Mr. Wilson's figures have demonstrated this fact with this very crop more than once.

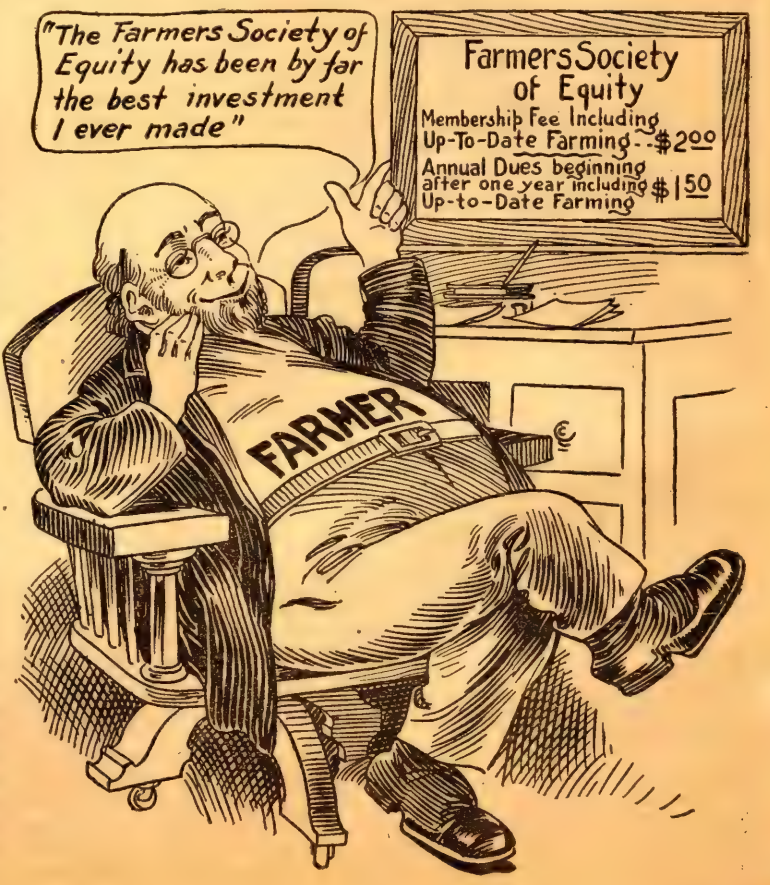
We appreciate every effort for the benefit of agriculture, but if Mr. Wilson will direct some of his efforts toward a better distribution and fairer systems of marketing he will benefit those who may lack potatoes and those also who produce them.

AT THE EXPENSE OF THE FARM

WE do not care to use the words said to have been applied by Prof. Cyril G. Hopkins of Illinois, to the theories and workings of our national Department of Agriculture. Scientists of Europe, Prof. Hopkins is reported to have said, are pointing the finger of scorn at the United States because of statements made by persons connected with the Department. Much of the abandoned lands of America, declares the Professor, are far past the point of possible self-redemption, and the fault lies "not with the farmers or land owners but iwth the statesmen who have uduly assisted manufacture , commerce and other activities that center in cities, at the expense of the farm."

These are words bravely spoken, and they must awaken an approving echo in the breast of every well-informed and thinking farmer. The farmer works under many disadvantages. Those of other vocations make themselves heard, and modern politicians fear to disregard them. Farmers, busy in the fields, have learned to belive that politicians are statesmen, and that statesmen are able and sincere friends of the whole people; yet they have unduly assisted other callings at the expense of the farm.

There are abandoned lands, abandoned because no one could longer afford to till them, but it is not the fault, as Prof. Hopkins says, of those who own them or cultivate them. Give the farmer a chance. Let him control his business, so that there may be enough to supply demand but not enough to glut markets and ruin prices; also let him knock out extortions between him and his customers so that consumption may be increased as well as production. The farmer will then take care of his lands, keep them fruitful, and build up and restore those that, under present conditions, he has been compelled to abandon.



WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



PRICES of most farm crops continue to decline. This, with the unseasonable cold weather, frosts and freezing have been the features since our former reports.

Wheat is about 20 cents a bushel lower than the high point for the crop, corn is about 20 cents below the high point of last year, and oats about 18 cents lower.

Potatoes are lower than they have been for years, and so low that thousands of growers have not considered it worth while to market them. A year ago they were selling around $1 against 15 to 25 cents now.

The price of hogs is about $2 a cwt. below the high point of a short time ago. Cattle are also lower, butter is lower, and of course eggs are lower.

This is an unusual condition in recent years, as quite uniformly prices have gone much higher as the crop year progressed, thus justifying control and holding. We caution our readers to not consider it an argument against control, but rather the result of not sufficient control and lack of direction in marketing. Unless prices improve, we may expect more general dumping of the 1910 crops than for several years and large visible supplies and low prices, all of which is the very strongest argument there could be for organization and co-operation, and that before the crops are ready to market.

The cold wave that swept over the country from the Rocky Mountains and was lost out on the Atlantic ocean was unequaled for length of duration and severity at the season of year. The damage, as reported, is enormous but at the time we write this it is impossible to estimate it even aproximately. We belive it will not be near as great as at first supposed; past experience justifies us in such a conclusion, and we trust this case will not be an exception to the rule. Just as an illustration take the 1909 potato crop. In the early days of September 1909 the writer was meeting with the potato growers in Michigan when heavy frosts occurred. Telegrams were received from points in Michigan and Wisconsin reporting the potato crop damaged one half or more. The frosts were very general and the belief was generally held that the crops of marketable potatoes would be short. Tens of thousands of growers acted as they believed and they were not undeceived until this Spring when they realized that the yield was greatest the country ever grew. In our great country no crop is ever near a total failure and with its great diversity of crops if any farmer loses one or more he will have others to fall back upon.

The following paragraphs tell the story of the markets:

VISIBLE SUPPLY

The visible supply of wheat in the United States, by Bradstreets reports on April 16th was 35,526,000 bushels, that was 1,226,000 bushels more than two weeks before, 2,813,000 bushels less than a year before and 2,998,000 bshels les than two years before.

The visible spply of corn on the same date was 22,986,000 bshels. That was 2,862,000 bushels less than two weeks before, 12,479,000 bushels more than a year before and 11,219,000 bushels more than two years before.

The visible supply of oats on the same date was 14,331,000 bushels. That was 217,000 bushels less than two weeks more than a year before, and 814,000 bushels less than two years before.

The visible supply of barley on the same date was 4,728,000 bushels. That was 275,000 bushels more than two weeks before 55,000 bushels less than a year before and 814,000 bushels less than two years before

The aggregate word's supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

American	2,573,310	2,720,898	3,615,212
Other kinds	1,229,000	1,248,000	1,057,000
Total	3,802,310	3,968,898	4,672,212

PRICES OF CASH GRAIN

The closing prices of cash grain in the principal markets on April 23, with comparisons, were as folows:

CHICAGO—Wheat, No. 2, red $1.10½@1.11⅝; two weeks before, $1.16@1.19. Corn, No. 2, white, 61@62c; two weeks before, 57½c. Oats, No. 2, white, 43 @44c two weeks before, 44c.

St. Louis—Wheat, No. 2, red, $1.09; two weeks before, $1.16@1.17½. Corn, No. 2, white, 62½@63c; two weeks before 63@64c. Oats, No. 2, white, 44½c; two weeks before, 44@44½c.

KANSAS CITY—Wheat, No. 2, red, $1.06@1.10; two weeks before, $1.15@1.19. Corn, No. 2, white, 62½@63; two weeks before, 58@59c. Oats, No. 2, white, 42@44c; two weeks before, 44@46c.

CINCINNATI—Wheat, No. 2, red, $1.09@1.12; two weeks before, $1.19@1.20. Corn, No. 2, white, 60½@61c; two weeks before, 61½@63c. Oats, No. 2, white, 43½@44c; two weeks before, 43@43½c.

NEW YORK—Wheat, No. 2, red, $1.15¾; two weeks before, 1.22. Corn, No.2, white, 63½@664½c; two weeks before; 62½c. Oats, No. 2, white, 45@@48c; two weeks before, 46½@48c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.12⅜; two weeks before, $1.12@1.13. No. 1 hard northern, $1.10⅛@1.17⅞; two weeks before, $1.09@1.11.

FUTURE PRICES OF GRAIN

Chicago futures close April 23, as follows: Wheat—May, $1.09⅞; July, $1.03¼; September, $1.01⅝. Two weeks before, $1.12⅝, $1.05½ and $1.02½ respectfully.

CORN—May, 58⅝c; July, 61⅞; Sept., 63¼c. Two weeks before, 58⅞c, 61¼@62c, respectfully.

OATS—May, 42¾; July, 40⅞c; Sept. 39⅜c. Two weeks before, 41æ, 39æ@37⅝c respectfully.

CHICAGO PRODUCE MARKET

POTATOES—The market was very quiet this morning. Yesterday the trade took on a fairly good supply and there were few buyers looking for stock. Values were not materially changed receipts were good but there has been some reduction in the number of cars held on track.

Arrivals by cars, with comparisons, follows::

Monday	110	43	48
Tuesday	44	33	62
Wednesday	28	42	20
Thursday	42	21	13
Friday	30	41	12
Total 5 days	254	180	155

Prices—Minnesota, Wisconsin and Michigan, good to choice 20@22c; ordinary to fair, 15@18c. The market is about 24 cents a bushel lower than two weeks before.

NEW POTATOES—Prices were mainly lower. Trade was moderately active. Receivers are anxious to keep them moving and made concessions in order to sell

Price—Florida, $4.00@5.00; Lousiana, $4.50@5.00; Kentucky, second growth, $2.00@2.25 per barrel.

HAY—Receipts, 614 tons. Choice timothy hay in good demand and firm. Offerings small. Low grades quiet. Offerings medium with better demand. Prairie hay in fair request. Arrivals smaller.

Price—Choice timothy, $17.50@18.00; No. 2 timothy, $12.50@14.00; choice Prarie, $13.50@14.00. The price is practically the same as two weeks ago.

In a New England paper we find timothy hay, *not first class*, quoted at $24.35 per ton which gives a hint of how buyers and sellers might be benefitted by a scientific system of marketing.

BEANS—Little doing and no change, not many beans here and few coming forward. demand from all scources light.

Prices—Choice hand-picked pea beans, $2.07@2.10; prime, $2.00@2.05; Red Kidney, poor to choice, $2.75@3.10. The price is 5 to 10 cents lower on pea beans than two weeks before.

APPLES—Sales are moderate to the home trade with very small movement out of the city. Only occasional lots come in, but the market remains well supplied with cold storage stock.

Prices per barrel:

Ben Davis	$2.50@$3.00		$3.50@$3.75
Spies	4.50@ 4.50		4.50@ 5.00
Baldwins	3.75@ 4.00		4.25@ 4.50
Goldman Surrts	3.00@ 3.25		3.50@ 3.75
Russetts	3.00@ 3.25		3.50@ 3.75
Greenings		$2.00@3.75	
Kings		2.00@4.00	

EGGS—There is a good business. Demand is quite satisfactory on local and order account, but buyers are forced to be particular on account of irregularity in quality. Preference is for Northern eggs and some discrimination is made against Southern stock. Receipts liberal and exceed the demand for immediate use. The surplus stock goes to storage.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week, Cases.	Last week, Cases.	Last year, Cases.
Monday	25,966	36,088	20,846
Tuesday	37,813	41,062	31,765
Wednesday	27,827	22,962	26,645
Thursday	17,436	33,114	20,082
Friday	36,458	25,832	21,176
Total	145,500	159,058	120,514

MISCELLANEOUS NEWS.

A dispatch from New York of April 22 was as follows: "Some lots of Russian turkeys have been imported, but the birds are no comparison to our native ones. Russian turkeys have light limbs and wings, which is due to the fact that they are housed to escape the rigors of the cold climate and that robs them of exercise and the gamey flavor which our American stock has. They cost a little over 20 cents laid down here."

Considering the great number of eggs being stored by the strong packing houses, the prices will likely be forced very high next winter.

Early potatoes are moving in considerable volume from Southern points with prices lower than for the same relative season last year.

Old potatoes continue in oversupply in all large markets, and prices are the lowest in many years. According to reports, the country is also full of potatoes yet.

Already gluts on the markets have begun, as shown by this dispatch:

"Boston, April 22.

"Very heavy supplies of strawberries arrived here all week and the market has gradually weakened. Never in the history of the business have the arrivals been as heavy so early in the season. Receivers have been unable to clean up except at lower prices. Yesterday's offerings aggregated 20 cars, which came from Florida, South and North Carolina, and Norfolk, Va. Information now at hand indicates that the arrivals will continue heavy, and as a result lower prices are expected."

The Modern Miller wheat crop report, date April 23, is as follows:

"Favorable crop prospects are reported from most of the winter wheat country, notably the soft winter wheat sections. There are, however, increasing claims that the crop is not holding its own, the plant not showing the vitality needed to forward seasonable growth. Insect life is more evident than usual, chinch bugs being reported in many localities, and also fly."

A federal grand jury at New York is investigating the operations of James A. Patten of Chicago, Eugene P. Scales of Texas, and W. P. Brown and F. B. Maybe of New Orleans, all charged with a conspiracy to advance the price of cotton futures.

Wool dealers in northeastern Indiana have formed an organization known as the Northeastern Indiana Wool Dealers' Association. The purpose of the association, it is said, is a closer relation between the dealers and more uniform standards in grading and handling wool.

At a hearing before the Senate committee to investigate how prices of food are made, Mr. John Newman, president of the Elgin (Ill.) Board of Trade, said: "The board was organized to make a butter market for farmers." And this: "We have a quotation committee of five members on which both sellers and buyers are represented. The committee meets each Monday, considers the supply in the country, the demand, the quotations in New York, Chicago and other markets, and then it decides on a price. This price is submitted to the full board and is approved or changed and is then sent over the country."

Washington, April 21.—Senator Johnston of Alabama today informed the Senate that a movement for the importation of Australian beef had been inaugurated in New York as a means of meeting trust prices on fresh meats. He said it had been found that the foreign meat could be sold at a rate of 6 cents a pound less than the domestic product.

BULLETINS.

Many of the bulletins issued by the Department of Agriculture at Washington and by the various State experiment stations constitute the most valuable farm literature printed. We wish our space permitted us to make liberal extracts from them, but usually it does not. But our readers can get them free by applying as below:

U. S. Department of Agriculture, Washington, D. C.: Circulars—No. 96, "How to Test Seed Corn in Schools"; No. 55, "American Export Corn in Europe." Bulletins: No. 392, "Irrigation of Sugar Beets"; No. 389, "Bread and Bread Making" (we especially recommend the latter). In the U. S. Senate: "Experimental Improvement of Highways"; "Good Roads."

Iowa Agricultural Experiment Station, Ames, Ia., Bulletins No. 21, "The Corn Root Aphis"; No. 109, 'Animal Husbandry—"The Value of Corn, Oil Meal, Cottonseed Meal and Gluten Feeds in Work Horse Rations"; No. 110, 'Animal Husbandry'—"Roots and Corn Silage for Fattening Lambs"; No. 112, "Do Mangels and Sugar Beets Cause Kidney Trouble?"; No. 111, "The Apple Leaf-Hopper"; No. 20, "Seed Corn for 1910."

Maine Agricultural Station, Orone, Me.: Bulletin No. 174, "Blackleg—A Bacterial Disease of the Irish Potato."

Michigan Agricultural Experiment Station, East Lansing, Mich.: Bulletin No. 259, "Bean Production."

Mississippi Agricultural Experiment Station, Agricultural College, P. O.: Bulletins: No. 131, "Snap Beans"; No. 132, "Soils of Mississippi"; No. 134, "Broom Corn"; No. 135, "Cotton, 1909"; No. 130, "Peanuts"; No. 129, "Sugar Cane for Syrup Making."

Missouri Agricultural Experiment Station, Columbia, Mo.: Bulletins—No. 81, "Specific Effects of Rations on the Development of Swine"; No. 83, "Soil Experiments on the Upland Loam of Southeastern Missouri"; No. 85, "Inspection of Commercial Fertilizers"; No. 86, "Soil Experiments on the Rolling Limestone Upland of Southwest Missouri."

Nevada Agricultural Experiment Station, Reno, Nev.: Bulletins—No. 71, "Digestion Experiments on the Range."

Ohio Agricultural Experiment Station, Wooster, O.: Bulletin No. 211, "Third Annual Report of the Forest Condition of Ohio."

South Dakota Agricultural Experiment Station, Brookings, S. D.: Bulletin No. 118, "Corn."

Cornell Agricultural Experiment Station, Ithaca, N. Y.: Bulletin No. 268, "The Substitution of Roots for Concentrated Foods in Rations for Milk Production."

WHY IS IT?

Why is it that, although the mills and elevators all over the country are bursting with grain, and the groceries and markets are filled with meat, fruit and vegetables, yet thousands of our people are half fed? Why is it that, although thousands of stores are piled to the ceilings with clothing, yet thousands are poorly clad? Why is it that wherever you look you see opulent wealth on one hand and poverty on the other? Why is it that between two and three million children under the age of twelve are working in mills in these United States to help support the families? Why is it that, although less than one-third of the land in the country is occupied, 70 per cent of our people do not own their homes? Why is it that crimes of every kind are increasing out of proportion to the increase in population?

Under existing conditions we never buy anything at its value or on its merits, but we pay several profits, most of which would be unnecessary if we really had an equitable system of pricing and distributing. We now buy clay-worsted made of cotton and shoddy; rubbers made of rags; butter made of tallow; whiskey made from sawdust, and nearly everything else to match. The fellow who by law and custom enjoys the graft monopolizes the natural resources, the public utilities and the avenues of distribution for his own benefit. It seems to me that the ethics of Christ and the system of the devil don't mix good. Does not the system under which business is done now array the hand of every man against every other man? There is one thing certain, as long as we permit a few men to tax all the rest of us what they please for the privilege of living to buy of and sell to them, we will have millionaires and tramps; and so long as we will have millionaires and tramps we will have criminals. The congregation will now rise and sing: "Bring Forth the Royal Diadem and Crown the System King of All."

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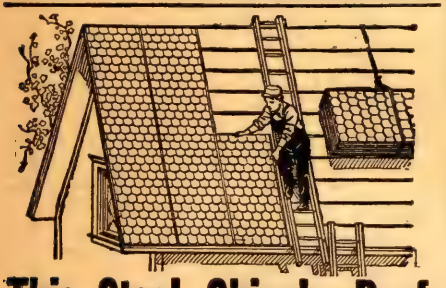
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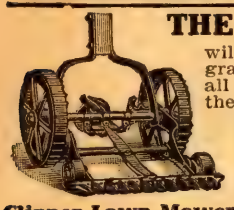
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UP-TO-DATE FARMING

Production and Marketing

WHAT BECOMES OF THE FERTILITY?

WHEN the old men of today were boys, especially those who were brought up in the Mississippi Valley, little was said, or known, or cared about fertilizers. The virgin soil was naturally fertile, and there was so much of it that when the crops showed signs of failure in one field a new one was taken in.

But conditions are different now, and fertility must be maintained by restoring what is taken away. It still remains a fact, though, as we have said in other issues of this paper, that of the ten recognized elements of plant food, only three have shown any sign of exhaustion in the main farming regions of this country, and these are potassium, nitrogen and phosphorus. What becomes of these elements, and how may they be restored? These are questions of ever present importance to the ambitious, progressive farmer, and upon the knowledge implied in the first, and the working out of the answer to the second, depends the success of agriculture.

Fifty bushels of corn drains from the soil that produced it 35 pounds of potassium, 74 pounds of nitrogen, and 12 pounds of phosphorus. Twenty bushels of wheat absorbs 20 pounds of potassium, 52 pounds of nitrogen, and 13 pounds of phosphorus. Four tons of clover requires 16 pounds of potassium, 174 pounds of nitrogen, and 32 pounds of phosphorus.

There is no occasion for alarm at the high nitrogen requirement of clover, for in the air or atmosphere there is an inexhaustible supply of nitrogen, and clover, in common with all leguminous plants, draws nitrogen from the atmosphere, and some way by means of bacteria that live on the roots, adds it to the soil in which it grows, even more than it requires, and leaves the soil richer in nitrogen than it found it.

Another fact that enters into the solution of the problem we are considering is, that two-thirds of the potassium drawn from the soil by the growing crops is in the straw, the remaining one-third being in the grain. If the grains are fed on the farms that produced them, three-fourths of that third may be restored to the land from which it was drawn by returning to it the manure from the animals that consumed the grain, three-fourths of the potassium in the grain being cast off with the manure. If both straw or stalks and grain be thus utilized and returned to the soil, two-thirds and three-fourths of one-third of the potassium is returned with it, one-twelfth only of the potassium being lost. In practice, however, these exact proportions cannot be restored. There must be some waste, and consequently greater loss of potassium.

With phosphorus it is different. Two-thirds of the phosphorus is in the grain. Therefore, to grow heavy grain crops, either of corn, wheat, oats, barley or other grain, the soil must be rich in phosphorus; and it is a fact that most of our agricultural lands are poor in phosphorus, and that is why the grain crops so rapidly exhaust those lands.

And even if the grains are fed on the farms and the manure used, three-fourths of the phosphorus, instead of being held in the manure as in the case of potassium, is bone material and becomes a part of the living animal. Hence very little phosphorus is ever restored either in the straw or stalks or the manure.

To summarize: The soils are naturally fairly rich in potassium, and that element may be quite effectually returned in the straw or stalks and manure. The supply of nitrogen is abundant in the air, and may be drawn therefrom by leguminous crops, and given to the soil. Our lands at best are not rich in phosphorus, and no system of farming can very well restore what phosphorus is drawn from it. Phosphorus, therefore, must be restored by other means, among which we may mention bone meal, acid phosphate, and ground phosphate rock. The latter, perhaps, is most available and cheapest. It contains the phosphorus in the farm in which it is found naturally in the soil, and exhaustive experiments have proven its effectiveness. It should be ground very fine, and be evenly distributed, from 500 to 2,000 pounds to the acre. An excellent way to apply it is to mix it with barnyard manure in the proportion of 40 pounds of finely ground rock to a ton of manure, being thoroughly and evenly mixed and applied with a spreader. Forty pounds of ground rock to a ton of manure strikes us as being a very light mixture, but experiment station people pronounce it effective. The greatest general farm trouble is the scarcity of manure, which necessitates the application of the ground rock alone.

We may add the following comparison of fertilizers and their usual cost: Raw bone meal 180 pounds phosphorus to the ton, $30; steamed bone meal 250 pounds phosphorus to the ton, $28; acid phosphate, 125 pounds phosphorus to the ton, $15; raw ground rock, 250 pounds phosphorus to the ton, $10.

HOW TO STAND A DROUGHT

NEVER let a crust form on the surface of the ground where crops are growing. That is the secret of standing a drought. When a crust forms the moisture evaporates very rapidly. Some wish to plow just before a rain. We think it much better to plow after it; not while the ground is wet, but before a crust has had time to form. That prevents evaporation and holds the moisture in the ground where the growing crops need it. No matter how dry it is, if the surface of the field can be kept mellow or even dusty, he growing plants will suffer little, because the moisture stored in the soil cannot get away except as it is absorbed by the roots of the growing plants. This dust mulch or mellow surface is one of the leading purposes of cultivation; and, since after a rain a crust is almost sure to form, after a rain is when cultiation is worst needed.

Cultiation in a dry time, however, when conservation of moisture by means of a loosened surface is the principal object, should be very shallow. The surface only should be stirred, and great care should be taken to not disturb any of the plant roots.

In urging this dry weather surface culture to save moisture, corn is the crop we have principally in mind; but the same rule holds good for any cultivated crop. It may be allowable to cultivate deeply in wet weather, but in dry weather, shallow.

STEEL SHINGLE ROOFS THAT OUTLAST THE HOUSE

Our readers who have had trouble with wood-shingles and composition roofings that go to pieces in a few years will be glad to hear of Edwards "Reo" Steel Shingles which last a lifetime. These steel shingles come in stamped sheets of Bessemer Steel and can be rapidly laid with only a hammer and nails. They are painted or galvanized, and are fireproof and lightning proof. In fact, the makers have deposited a $10,000 bond with a Cincinnati Bank, and guarantee to refund purchase money if any roof covered with "Reo" Steel Shingles is damaged by lightning.

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DRAINAGE UP AGAIN

THE darkey who lived beneath a leaky roof because he could not repair it when it rained and it was not leaky when it didn't rain, was very human after all.

The spring rains and the wet ground when we wish to work it, brings up the question of drainage every year. We think of it at other times, but the need for it not being so pressing, we pass it lightly by until the next spring forces it upon us again. We often figure what it would cost to tile drain a certain tract of land, but do we ever figure what it costs not to drain it? We have often known increased yields pay for the draining in a single season, saying nothing of the greater ease of cultivation. One of the encouraging signs is that the area of drained land is increasing, and the yield per acre on such land is increasing also. Those who are suffering from starvation, in the future of course, may take consolation from this increased drainage acreage. It does not make more land, but it makes more bushels and tons. It does not add to the fertility of the soil, perhaps, but it makes that fertility more available, and it holds it longer. When fertility is added, whether from crops grown and turned under, or from farm made manures or commercial fertilizers, the tiled land holds it better, and the crops get more benefit from it.

Give the farmers a chance. Let them fairly and equitably share the wealth they produce, so that they may be able to make improvements, and then tile drainage will cease to be a mere subject for spring discussion—it will be accomplished.

PASTURE VALUES

PAY more attention than usual to the pastures this year. The pasture fields must not be regarded as non-productive areas. There never was a time, we are quite sure, when the stock in them represented greater values, and if the pastures are good those values will increase, not in price, perhaps, but in bulk and marketability. Give the live stock a chance—push them.

A great trouble with pastures is the growth of weeds. We have heard hours spent in discussing how to renew pastures and destroy the weeds short of cultivation. It is not a bad plan to make pastures a step in rotation, and after cultivation reseed them. But in most of the states, especially in the Mississippi and Ohio valleys, a simple process will not only hold the weeds in check, but will actually thicken up and strengthen the pasture grasses. It is clipping—mowing. The grasses stand clipping, the sod thickens up because of it. Weeds do not. Their natural mission is to produce seeds, and these are generally produced some distance above ground. Frequent clippings seem to discourage them. At all events, they yield to the treatment, and fewer appear after every time the machine is passed over, and a better stand of grass shows itself. It is a mistake to allow the pasture to grow up in shrubs and bushes, as so many do. The pasture is a productive field, and it should be cared for.

PROTEIN FEEDS

GROWING stock need feeds rich in protein, and so do dairy cows and cows that are to bring calves. The commercial source of such feeds is bran, shorts, oil meal and gluten meal. But protein feeds may be produced directly from the soil. The legumes come first in the list—alfalfa, the clovers, cow peas, soy beans, etc. Green in the pastures, or cured in stack or mow, these nitrogen gathering plants are rich in protein, and may be fully relied upon without the purchase of the commercial feeds. In the absence of these home grown feeds, however, the commercial protein feeds are a necessity for the kinds of stock we have named.

Considering the other advantages derived from the leguminous crops, we cannot but express surprise that they are not more extensively grown on the farms. They are profitable crops both above and below the surface; and, while all of them may not grow everywhere, some of them may be selected that will grow anywhere. Every grower of legumes benefits his land, supplies the special and imperative needs of his stock, and makes his locality a better farming region.

CONSIDER ADAPTABILITY

EVERY farmer ought to know his soil. There is great difference in adaptability to crops. Some soils will produce one crop better than others, while other fields perhaps, on the same farm, will produce crops the other fields rejected, or refused to do their best for.

Success in farming is greatly promoted by adapting the crops to the soils. A progressive farmer will not plant for half a crop; yet we often see fields planted to corn that the planter must know could not produce it. But if there are no better? Plant half as much and fertilize it. Just the other day we saw a farmer plowing for corn in a field that was fairly fertile, but that had large places in it that showed the clay, and that could not produce a crop of corn. A few hundred yards away were a barn and a barnlot that were actually obstructed with years' accumulations of manure, much of it now well rotten and in fine condition for fertilizing purposes. What splendid wages that farmer could have made while getting that manure onto those yellow places! But he did not do it, and then complained at the country or the season if he failed to make a heavy crop.

No, we do not insist that farmers shall over-burden themselves with work. Rather we wish to lighten their tasks and make them more independent. The road to that is clearly through maintained fertility, the adaptability of crop to soil, larger acreage production that fewer acres may be tilled, and then the product so marketed that the producer may receive what it is worth.

GETS BACK AT HIM

"Mary, what do you do when your husband reminds you of the cooking his mother used to do?"

"I tell him to provide me with the stove wood my father used to get."

THE IMPLEMENT BLUE BOOK FREE

The Midland Publishing Co., St. Louis, Mo., has left over a few hundred copies of the 1909 IMPLEMENT BLUE BOOK, one of which it offers to mail, free of charge, to any subscriber to this paper who will send 20 cents to pay the postage, packing, etc. The book has nearly 500 Royal Octavo pages, weighs two pounds and contains complete classified lists of all farming implements, vehicles, wagons, automobiles and kindred goods, made in the United States, with names and addresses of manufacturers; also, a full list of all branch, jobbing and transfer houses in this country and Canada, from which nearby shipments may be had. Much other information of great value to farm people is also contained in the book which originally sold for $3.00.

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ROOM FOR MORE SHEEP

THERE is room for more sheep in this country; and there is a demand for more both in the wool and mutton market. Adding Kansas and Nebraska to the States east of the Mississippi, says A. J. Knollin, vice president of the National Wool Growers Association, we have a total of 18,000,000 sheep, which is one-third of the entire number in the United States. Taking the statistics by States, Ohio has 76 sheep to the square mile; Florida has one and a half sheep to the square mile; Kansas has nearly three sheep to the square mile; Utah and Idaho have 38 sheep to the square mile. To make a long story short, east of the Mississippi there is but about one sheep to 47 acres.

Some comparisons are interesting. Texas has 2,000,000 sheep. France and Spain, both together not quite so large as Texas, has 31,250,000 sheep; Bulgaria, which is not quite so large as Kentucky, has 8,000,000 sheep; Kentucky has 1,000,000. Greece, the size of West Virginia, has 4,500,000 sheep; West Virginia has 625,000. England and Scotland have 304 sheep to the square mile. That part of the United States east of the Mississippi river has not quite 14 to the square mile.

Yes, we've room for more sheep, and we may have them without much fear of disturbing the markets.

PIGS ROOTING

The pig is no longer an animal to be turned over to the evil one to wilfully drown itself in Galilee, or anywhere else. His ten dollars a hundred has given him a dignity and standing he has never before possessed. He was created with an inclination to root and the thing to do it with. Let him root; though he need not die if he don't. In fact, it is no harm for the pig to root unless he roots where the harm is. And that is the fault of his master and not of himself.

There is benefit in pigs rooting. It is one of his ways of earning a living, and his consumption of things he finds in the ground, whether roots and seeds of plants or slumbering insects, is of greater benefit to the farmer than to the pigs. Several times have we seen pigs turned into an old orchard. The ground in every case was turned better than if it had been plowed. What was the incentive? It was not merely the habit of turning the soil. Those pigs were rooting for what they got; and if the things they found and ate, and thereby destroyed, could have been seen in a pile, the owners of the orchards would have been amazed.

Let the pig have his way, and allow him to freely use the instrument nature gave him; only direct him to where he will do good and not harm.

TREATMENT OF CALVES

IN an article in one of our exchanges, written by an Ohio lady, who demonstrated her powers of observation and thoughtfulness, we find the following useful and timely bit of instruction:

Handle the calves kindly, groom daily and they soon become accustomed to it. Much of the nervousness which we see in the young cow can be done away with if calves are given proper treatment. Teach them to lead from the very first. We all know how annoying it is to try to lead a mature animal that has not been "broke to it" when young. The timidity of the young heifer with her first calf is nearly always due to training and not temperament. Do not allow calves to be teased, it will spoil the finest disposition. Neither allow blows.

RARE BOOKS

C. T. Brainard Publishing Company, 11 Harcourt St., Boston, Mass., are importers of rare books and classics—old and valued works. Write them.

BEEF AND MILK

THE high price of meat is leading to some interesting studies and bringing out some interesting facts. Among other things, people will be taught to look to the cow for food more than to the steer. While meat was abundant and cheap the cow was not estimated at her true value. Make a comparison. The record of a Holstein cow, Princess Charlotta, is 18,405 pounds of milk in a single year. Careful analysis shows this milk to have contained 552 pounds of proteid, 618 pounds fo fat, 920 pounds of sugar and 128 pounds of ash, all valuable food elements except the ash. The remainder of the milk produced was water.

Now take a fat steer, a two-year-old, 1,250-pounder. After all the water is driven out of the carcass, as was done in the case of the milk, 558 pounds remain, and this includes hair, hides, bones and all. Extracting from this the food elements, we have proteid, 172 pounds; fat, 333 pounds; sugar, (wanting), and ash, not food, of course, but a constituent of the dry matter, 43 pounds.

From the year's product of the cow, therefore, we have 2090 pounds of the most valuable elements of food, and the cow remains to do a like work next year. From the steer that has been practically stall fed for two years, and has done its best, let us allow, we have 505 pounds of like elements of food, and the steer is gone. It would, therefore, take four such steers two years to produce as much human food as the one cow produced in one year, the important element of sugar being left out at that, and the working capital or investment is absorbed in producing it.

We admit that the cow chosen for comparison is a good one, far above



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—no other cream separator made today can compare with the **New Butterfly** in close skimming, light running, easy cleaning, convenience, durability and price. We can refer you to thousands of satisfied users all over the United States. Some of them may be in your own neighborhood. Get our **free 1910 catalog** and read what we say and what others have written us voluntarily after using the **New Butterfly.**

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90 Days'

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Why pay $85 to $110 to dealers or agents who cannot sell you a separator equal to the Galloway—closest skimmer—easiest run—easiest cleaned—10-yr. guarantee. Send for **BOOK FREE**

200 to 900 lbs. capacity.

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NEWTON'S HEAVE COUGH, DISTEMPER AND INDIGESTION CURE

SAFE TO USE — BEST CONDITIONER

The Standard Veterinary Remedy. 20 years sale. Send for booklet.



Makes the horse sound, stay sound

DEATH TO HEAVES

The first or second $1.00 can cures. The third can is guaranteed to cure or money refunded.

$1.00 per can at dealers, or express prepaid.

THE NEWTON REMEDY CO., Toledo, Ohio

the average milk cow or even dairy cow, but the steer was a good one also, but not so far above the average, perhaps, as was the cow. Still there is sufficient margin to justify the conclusion that the milk ration must increase as the beef ration decreases, and the dairy cow will practically crowd out the beef animal.

THE HOG FENCE

IT is all right to have hogs. It is necessary, especially in these days, to successful farming. But the hog fence should come before the hogs do. If there is a farm pest on earth it is a hog that can break its fence, and go where it pleases.

Strong woven wire solves the hog fence problem, and it need not be so very high, but it must be well put up. The corners are the key to the fence. Neither expense nor labor should be spared in making the corners durable and inflexible. There must be heavy posts deeply set and firmly braced. After this the fence may be confidently relied on, though no part of it should be slighted. Posts of good grade should be used throughout, and the wire should be well stretched and firmly nailed to the posts from top to bottom. And the bottom should be very close to the ground. The thought should be constantly in the mind, "This is a hog fence!" Hogs are as easily managed as other animals when —they can't get out.

WHAT IS IT TO BE?

WE doubt if farmers think enough; if they ask themselves enough considerate questions concerning their stock, especially their young stock. For instance, what is the calf to be? Evidently a milk cow, a breeding animal or a beef. What treatment is it receiving? To be profitable it must be its best. If it is to be a milk cow it must be domestic in its disposition, and if possible, it must have good and early development in those parts that are most important in milk production. If it is to be a breeding animal, it must grow up with a vigorous constitution, a large and robust body, conforming as much as possible to the type of the breed. If it is simply to be a beef, to live a little while and then pass to the block and the table, its work must be done all the more rapidly, and it must have an abundance of meat and fat.

In no case must the animal be stinted. It must do its best, and successful is the farmer who knows how to make it do its best, and has the courage to give it a chance. Treatment and feed may well vary a little, and that may involve a technical knowledge the average farmer may not care to seek; but he knows in what animal size and early maturity are important, and he should feed accordingly. Thoughtless neglect does not pay in any case.

FOUND IT

Said Jack to lisping Jill: "You can't
Find a rhyme for month."
Said Jill to Jack: "I can—
I'll find a rhyme at wonth."

EGGS THE GREATEST LOSS

"Did the burglar that broke into Bill's store take anything?"

"I don't know. Bill was counting the eggs to find out if anything valuable had been taken."

The Parlin & Orendorff Co., of Canton, Ill., manufacture the most complete line of cultivators made by any one factory in the country. Their line consists of Walking, Riding, Combined, Double-Row, Surface, Tongueless, Beet, Listing, Disc, Orchard, Garden and others, and each style is furnished with any and all kinds of gangs and other cultivating appliances. Their implements have been used by three generations of American Farmers, a worthy tribute to their excellent features.

The Parlin & Orendorff Co., will be pleased to send their new catalog "U-41" to any address. Attention is called to their advertisement in this issue.

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$50.00 to $250.00 WEEK MONEY'S YOURS MEN OR WOMEN

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Be quick—don't wait—only hurry, it's yours—we start you—experience unnecessary. Keep on reading Be first to manage, direct, control your field. Listen!

C. E. Goff, Mo., says: *"Sold 5 Vacuum Cleaners last Saturday*—my first attempt. *Profits* $21.25." W. H. Morgan, Pa., *sold 75 in nine days. Profit* $318.75. Marvelous invention. *New Home Vacuum Cleaner.* Rushing, whirling, sucking air. Terrific suction draws up through nozzle *dust, dirt, grit, grime and germs* from surface and from every warp and fibre. No more brooms—brushes—dust cloths. No more house-cleaning. Greatest blessing of the age for women. Purifies atmosphere, wards off disease, stops doctor bills. Sucks dirt from cracks, crevices, beneath radiators, furniture, behind doors, in closets, etc. *Agent in three minutes shows dirt taken from carpet supposed to be clean and sale is made.* New principle. Constant suction. Weighs nine pounds. Made of light metal, easy to carry. A child operates easily. Women all praise it—say wonderful—marvelous. *One lady had matting too old to take up—New Home Cleaner saved it —cleaned it on floor.* Longed—hoped for, but unexpected. Here at last for rich or poor—finest home or humblest cottage. Every cleaner tested before shipping—guaranteed as represented or money refunded.



Cleans Them on the Floor

READ HOW AGENTS MAKE MONEY

Gus Anderson, Minn., writes: *"Enclosed find order for 12 Vacuum Cleaners. Ship prompt.* One man sold dozen in three days. *Profit* $51.00." This wonderful cleaner simply takes women by storm. They can't resist it—bargain day isn't in it. *No experience necessary.* Just hustle and the money rolls in. Shown in three minutes. Sold in five. Then on to the next. *None refuse. All buy. Hurry*—be first—get the cream. Women eager—they need it—when they see it can't let it go. Drop everything—Sell this marvellous Vacuum Cleaner *Make* $100 *a week*—you can—easy. Chandler, N. Y.: "You don't praise them enough. *First afternoon out I sold 12 and yesterday morning 8 more. Profit* $85.00." One woman made $24 *first half day.* And so it goes. These records are not uncommon. Hundreds of such reports come in every day. Failure impossible—Success sure and profits big. No proposition to compare with it. Don't wait a minute. No matter who you are or where you live an appointment is awaiting you with easy work and big profits.

WANTED: Men and Women everywhere to act as *Agents, Salesmen, Managers, to* direct, control territory, collect money, supply the demand.

SEND NO MONEY Only your name and address on a postal and we'll send full instructions and offer of good territory. John Logan gave up $12 job driving team—*now makes* $50.00 *weekly.*. Do it today We'll hehlp; we'll start you.

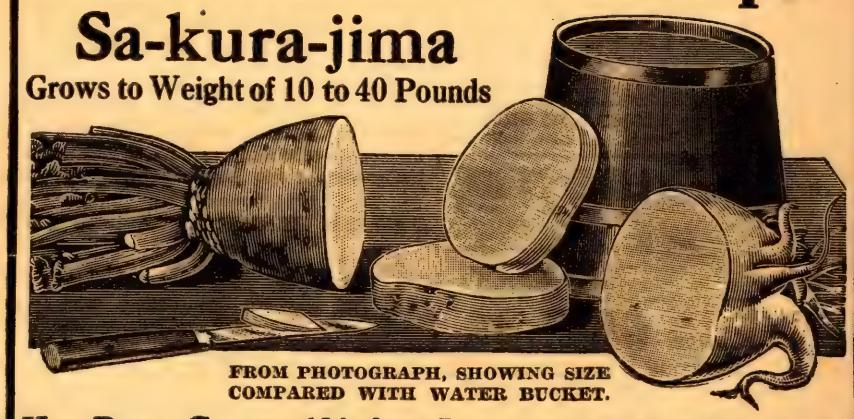
—now—before you lay aside the paper.

R. ARMSTRONG MFG. CO., 1031 Alms Bldg., Cincinnati, Ohio

Giant Radish from Japan

Sa-kura-jima

Grows to Weight of 10 to 40 Pounds



FROM PHOTOGRAPH, SHOWING SIZE COMPARED WITH WATER BUCKET.

Has Been Grown 1½ feet Long and 10 in. Diameter

This Giant Radish is a distinct novelty, in fact the greatest novelty of its kind ever introduced in America. The Fruit-Grower could hardly believe the stories told about this wonderful radish, so we sent out seeds for testing to our subscribers last year. We are "from Missouri," but we were certainly "shown" by our readers, for they grew radishes weighing all the way from **10 to 42 pounds.** The story of the growing of these Giants is told in February, our Gardening Number. Sample copies sent on request.

What do you think of a radish which grows to weigh 10 to 42 pounds, which is often a foot and a half long and 10 inches through; which is as tender and sweet during hottest July weather as earliest spring radishes; meat crystal white, solid, texture like a fine apple, and never becomes hot or pithy; which can be eaten raw like an apple, cooked like turnips, and pulled late in the fall, keeps all winter as sweet and crisp as when pulled. The tops, which grow 2 to 3 feet long, cooked as "greens," are to be preferred to spinach and mustard.

This describes the Giant Radish from Japan, "Sakurajima," introduced in America several years ago by the U. S. Dept. of Agriculture, and has proved of great value here. Among the first places tested was at the Long Island Experiment Station, and The Fruit-Grower received a "tip" as to its value from Director Fullerton.

Planted late, it will extend the radish season through the entire summer, being at its best in hottest weather. Seeds planted to mature in late autumn will keep nearly all winter, almost until radishes come again.

Hon. Wm. J. Bryan, hearing we had this seed, wrote: "I saw the giant radish during my tour of Japan and have been intending to send there for seed. The flavor is good. I will buy seeds of you or subscribe for your paper—in fact, you can trade with me on your own terms."

Mr. Bryan is a Fruit-Grower subscriber.

Director Fullerton writes that during 1909 he grew one of these radishes which weighed **forty-two pounds,** and that he expects during the present season to break all records by growing one which will weigh 50 lbs. Read his article in The Fruit-Grower.

SEEDS FREE with a Trial Subscription to The Fruit-Grower

Appreciating the great value of this new radish, The Fruit-Grower has purchased practically **all of the seeds of this variety in the United States** to be distributed **Free** to new subscribers. We canvassed the entire country, and it would not be possible to secure more seeds, even from Japan.

The seed is not for sale at any price, but we will mail a trial packet free to every one who sends 50c, coin or stamps, for a year's trial subscription to The Fruit-Grower. Regular rate $1.00, but we offer it to you at half price, to get you interested, and convince you that we have the best paper of the kind in existence.

Send for a free copy of February, annual Gardening issue, handsomely illustrated, 84 pages, and read how our folks grew the big radishes; leading fruit paper of America. Many of our 100,000 readers write that a single number is worth the price of a whole year's subscription. Ask the editor of this paper about The Fruit-Grower. He will recommend it, and he knows that we could not afford to make this offer unless The Fruit-Grower would "make good," and that Sakurajima Radish had been fully tested and all we claim for it. Liberal cash prizes for largest radishes grown. Send 50c at our risk for a year's trial subscription, and seeds will be sent by return mail, **FREE.** Write at once, before supply is exhausted.

THE FRUIT-GROWER, Box R-730, St. Joseph, Missouri

MONEY IN POULTRY and **SQUABS** Start small; Grow BIG. Foy's big book tells how. Describes World's largest pure-bred Poultry Farm; gives great mass of poultry information. Lowest prices on fowls, eggs, incubators, brooders. Mailed 4c. F. FOY, Box , Des Moines, Ia.

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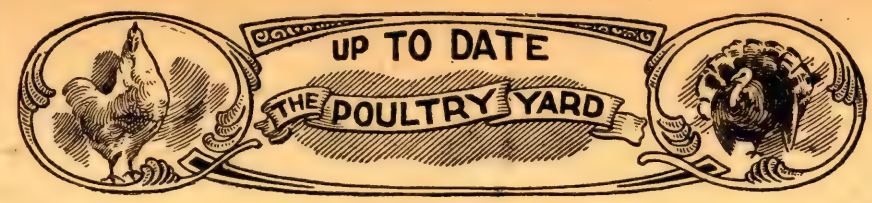
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WESTERN CANADA
Senator Dolliver, of Iowa, says:
"The stream of emigrants from the United States to Canada will continue."
Senator Dolliver recently paid a visit to Western Canada, and says: "There is a land hunger in the hearts of English speaking people; this will account for the removal of so many Iowa farmers to Canada. Our people are pleased with its government and the excellent administration of law, and they are coming to you in tens of thousands, and they are still coming."
160 ACRE FARMS IN WESTERN CANADA FREE
Iowa contributed largely to the 70,000 American farmers who made Canada their home during 1909. Field crop returns alone during year added to the wealth of the country close to
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Grain raising, mixed farming, cattle growing and dairying are all profitable. Free Homesteads of 160 acres are to be had in the very best districts; 160 acres pre-emption at $3.00 per acre within certain areas. Schools and churches in every settlement, climate unexcelled, soil the richest, wood, water and building lumber plentiful.
For particulars as to location, low settlers' railway rates and descriptive illustrated pamphlet, "Last Best West," and other information, write to Sup't of Immigration, Ottawa, Can., or to Canadian Gov't Agt. (7)
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JUST BECOMING INTERESTED

THERE are thousands of progressive farmers and their wives, who are just becoming interested in thoroughbred poultry, and would be glad to try it in a small way. Most likely they have decided what breed they would prefer, but it may be a question in their minds as to whether it is better to buy fowls for a start, or to buy eggs.

That depends largely upon the time of year and the preparation the parties have for the new comers. It is a good plan to buy a pair, a trio, or even a breeding pen in the fall, having a separate house and run for them to occupy very early in the season. Or the purchase may be made early so that eggs may be obtained for early setting. Quite a flock of the new breed may be thus produced the first season, the hatching being done, of course, by ordinary hens.

But late in the season, after setting time has already come, we think it is best to buy eggs. One or more settings may be bought, depending upon the enthusiasm of the parties, or what is desired to be accomplished. Know, if possible, that the parties furnishing the eggs are responsible. Set under well known trusty hens, and there is little danger but that a good breeding pen may be obtained for next season. If more than one setting of eggs is purchased, get eggs from more than one breeder, keeping the chicks carefully marked. Then in mating the following season, cockerels from one flock may be mated with pullets from another, an ideal mating for a beginner.

By this method separate runs need not be provided until early mating time the next season. But separation must be effected at least six weeks before eggs for hatching are expected.

RAISING CHICKS AWAY FROM THE HENS

A Michigan poultry raiser who does not use an incubator, but who does not wish to spare the hens to run with the chicks, sets as many hens as possible at the same time. When they hatch she bunches the chicks, giving each hen chosen for that purpose as many as she can safely care for. Each hen so supplied is put with her large brood in a suitable warm, dry, clean coop, where she and her large family are allowed to remain a week, the chicks being well fed on moistened meal or other suitauble feed, and given water in such a way that they may easily get it, but may not wet themselves. When the chicks are a week old, they are taken from the hens entirely, and put in a clean, dry yard with a warm roosting place and enclosed with inch mesh netting, and high enough or so covered that other fowls cannot get into it. If this pen is movable so it may be changed to fresh grass plots, it will be better. Of course, if brooders are used it will be better still; but the purpose is to raise chicks without incubators or brooders. The treatment of the chicks after being taken from the hens, is the same as that of incubator chicks, and may be varied according to the opportunities and judgment of the attendant. But rats and other animals that pray upon chicks must be carefully excluded.

The hens deprived of chicks must be put in a comfortable place and well treated until they have fully recovered from their loss; when they will soon begin business again.

TOO MUCH CHANGE

"Ma, I ain't goin' to school any more."
"Why, dear?"
"I never can learn to spell. They keep changin' words on me all the time!"

SOME SIMPLE REMEDIES

VINCENT M. Couch of New York, gives the following simple poultry remedies that are useful and effective. The science of doctoring poultry is to keep the fowls well.

Indigestion with poultry, the same as with living creatures, means sickness sooner or later in a more or less serious manner. Grit and charcoal are two things that will generally prevent this trouble. Grit grinds up the food and charcoal acts as a purifier. Cayenne pepper, gention and asafetida, are three common remedies that act directly upon the digestive organs. For a simple tonic use iron, then there is the "Douglas Mixture," made by dissolving one pound of copperas (sulphate of iron) in two gallons of water, and thoroughly stir into this an ounce of the oil of vitrol (sulphuric acid.) Keep in jugs, and for general use an ounce or less of it may be put into a gallon of drinking water. This is considered a powerful tonic.

Poultry powders are useful in some cases, equal parts of cayenne pepper, rosin, sulphur and copperas make a good powder. It should be pounded and well mixed. Lime water is good for fowls, slack eight ounces of good lime in a little water, then add water sufficient to make two gallons, let stand until clear then pour off and use.

—WORKS BOTH WAYS—
If you will mention this paper every time you write an advertiser even tho' you see the announcement in some other paper also it helps us. In turn we can make a better paper to benefit you. "Every little bit helps." Will you?

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This Ad and Get My Big FREE Book and Save $50
Buy direct from the biggest spreader factory in the world—My price has made it—Save dealer, jobber and catalog house profit. No such price as I make on this high grade spreader has ever been made before in all manure spreader history. Here's the secret and reason: I make you a price on one based on a 30,000 quantity and pay the freight right to your station. You only pay for actual material, labor and one small profit, based on this enormous quantity on a
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Get my bran new proposition with proof—lowest price ever made on a first class spreader, with my agreement to pay you back your money after you try it 12 months if it's not a paying investment.
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They all tried it 30 days free just like I ask you to try it—30 DAYS FREE. Five Sizes—including New Complete Steel Gear Spreader—70-bu. Size.
Drop me a postal, and say—"Galloway, send me your new proposition and Big Spreader BOOK FREE with low prices direct from your factory."
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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

AS I SEE IT

This paper is read by **more than a half million** persons each issue, who would not do so if they were not interested in the work being done by the editors in teaching the principles of EQUITY. PRINCIPLES which appeal to such a vast number of persons MUST BE GOOD ONES? Is it not worth the while of ALL BELIEVERS IN EQUITY to spread these principles **by showing the paper to non-subscribers,** and taking their subscriptions for two years at 50c each? At this time, when everyone on the farm is interested in the GARDEN, show them the GARDEN DEPARTMENT, and the rest is easy—they will subscribe. **Will you help to extend its circulation among the garden folk?**

Sincerely

SAMUEL ARMSTRONG HAMILTON,

Garden Editor.

THE VEGETABLE GARDEN

In all but the most northerly portions of the country the gardens will have been at least plowed and smoothed, and, in many sections, most of it will be planted to the early crops, ere this issue appears in print.

Owing to the unprecedentedly early season, those who took advantage of it, and at the same time arranged to protect their crops in case of a sudden, late freeze, will profit by the high prices their early produce will bring.

Every one may pause at this stage of the work to ask the question: Is it worth while? This question can be easily answered by those who have adopted advanced methods of planting and culture, but it is a real question to those who still are in the rut of old-established custom. For many years the garden was merely an appendage to the farm. In many cases it was regarded as a necessary evil by the men-folk, while to the women it was an oppression, owing to the fact that it had to be given the most attention in the spring of the year, when house cleaning and other seasonable work, was pressing, and it took most of their spare time for the remainder of the season.

But, in these days of enlightenment, cheap machinery, and widely disseminated information, the garden has been raised to the dignity to which it is entitled, and on many farms it is the thing which assures the margin of profit. On some of the farms in the east, which, from excessive cropping and other causes, have been run down, it is the garden, managed by skillful hands which enables the owner to make a living for himself and family.

This brings me to my text: The garden should be run on the lines of the most approved type of gardening—the type which has been taught in the pages of UP-TO-DATE FARMING during the past year. The seed, manure, fertilizers, and labor, should be the best of their kind, and should be handled in the most scientific manner. This should not appall the every-day farmer, as "scientific," applied to gardening, means, according to the latest approved methods. It is not scientific for instance, to let tomatoes sprawl all over the cold, wet ground, but it is scientific, to grow them to a regular trellis, raised from the ground, and pruned, and thinned in order to produce the finest fruit.

The gardener who takes note of these things, and applies them is the truly scientific one. He need not be a graduate of an "Aggie" college (although I wish all were) but he needs to learn his trade thoroughly, in the best school—practice and experience. Also, he should be impressed with the fact that the gardener is a high type of farmer—he is to the farmers, as a class what the breeder of thoroughbreds is to the stockmen, as a class.

So, while you are pausing thus, almost on the threshhold of a new season, let your resolve be that your garden will be the best in your section. If you need advice, seek it through this DEPARTMENT.

An Unusual Thing

At this writing, in the eastern portion of the country there is an unusual thing occurring—a March drought. The ice-cap which covered the East during the first week of December, and which was covered by two feet of snow two weeks later, preevnted the melting snow, during the last week of February, from soaking into the soil, with the result that by the last of March the ground was dried out in many localities clear down to the subsoil. This has interfered with the starting of early gardens, and, if the usual copious rains of April come on schedule time, there will be little garden making in some eastern sections before the first week of May.

Flat or Raised Beds

This suggests a question which was put to me lately by one who was making a new garden: "Shall I make my garden (a home garden) into raised-up beds? Or shall I let it be flat?" Years ago when I made my first garden, I tried to get an answer to this question, but found that there was no reasons appended to advice covering either form. It seemed to be merely a copying of the custom of some one else. But this did not satisfy me, and I searched the books for it, and satisfied myself that the proper way to make garden-beds is to permanently raise them, especially when they are not under-drained with tiles, as few are.

The theory of this is very simple. It is a matter of drainage. One neighbor used to make invidious remarks about the muddy condition of our garden walks, due to the water draining out of the beds. I did not appreciate it then, but now I would tell him that it was an assurance that the beds were working according to the correct theory of drainage.

The rule is, when making garden beds, to excavate the walks down to the subsoil, and throw the good soil taken therefrom on the beds, making the general level of the latter slightly above the walks, but this was not enough for me. I had soil sods, and sand, along with many loads of manure hauled on the beds, in addition to that excavated from the walks, which gave me a general level of twelve inches above the walks.

This assures the best of drainage, as the water-table is the top of the sub-soil, and any excess water, which would be a detriment to the garden crops will drain away on to the walks, or by some other outlet, if one be provided; at least, it will not remain in the soil to ruin the crops. Of course, I advocate the under-tile-draining system when it can be afforded. Do not make a garden with flat beds, unless under-drained.

The Row, or Hill, Which?

There has been much discussion during recent years as to the relative values of the row, or hill, systems of planting certain vegetables, which are planted both ways. What is often called the hill system is not really such. In many cases it merely means a system of isolated planting, such as planting three beans together on the level, and, two feet further on, another "hill" of three, and so on to the end. This is not the "hill-system," as practiced by those who know. It is perhaps the best way to plant certain crops in some locations, especially in very weedy soil, when it is necessary to cultivate, or hoe, both ways, but it is not planting in hills.

In the true hill system, a plow or scraper is run along and a furrow thrown up, and another thrown against it from the opposite side. This makes alternate furrows and elevated rows, running one way. Across these is run a single broad-shoveled-cultivator, every three feet, which leaves square hills two by three feet, or any distance desired.

On these hills the crops are planted, and they can be cultivated both ways, and the hoe used all around them. The chief value of this system of planting is in low situations, where there is danger of floods or heavy rains after the crops have gotten some headway, as they drain rapidly, and do not check growth. "Row" planting, is simply "flat" planting, and is

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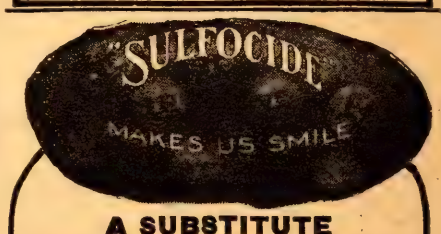
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Did You Plant Some Novelties?

The seedsmen do not spend thousands of dollars to develope first-class novelties merely to ornament their catalogue-pages. Oh, no! They do it for the benefit of those who buy their seeds, as well as to maintain their reputations as enterprising, energetic seedmen. The farmer and gardener have duties to perform in this connection. Every novelty which is introduced, which promises to be of value to the public, should be thoroughly tried *under ordinary farm and garden conditions,* in order to test its true value.

The novelty which will not stand the test of every-day life, on the farm, and in the garden, is of little value, as the specialists in farming and gardening are few, and far between. If it has superior merit, it is your duty, as a progressive gardener, to do your share to bring it before the people by a try-out, and to make the results of your tests known. There are a number of fine novelties on the market this season, and I would be glad if our readers, who are trying them, will give me a report on them at the end of the season.

I am impelled to write the above from my knowledge of seeds and seedsmen. The conscientious seedsman is very careful not to introduce anything without careful and exhaustive trials, so that it is safe to take the word of a reliable seedsman as to what may be expected from his novelties.

THE SMALL FRUITS

Planting the Strawberry

In the middle states and in the latitude of Indianapolis, the strawberry planting season will be at hand by the time these words reach my readers. I want to sound a note of warning to those who have not had the experiences—adverse ones—which have fallen to some of my friends, in not properly inspecting and planting their strawberry plants. There are some plant-dealers who "puddle" the roots of the plants they ship, in order that they will not dry out enroute. This puddling is done by dipping the roots in clay, mixed with water to the consistency of thick paint.

When the plants are unpacked, and the air has access to them these puddled roots become encased in a coating of hard clay, which prevents root action when the paints are set out. Examine your strawberry plants when you get them and if they have been puddled, set them in water and soak loose all the clay, and spread the roots out flat and fan-shape when planting. The dealer is all right in puddling the roots, but he counts on you to soak them loose before planting out.

There is an art in planting the strawberry, as well as other plants which have a "crown." The crown should have the same relative position in the soil, after planting, as it had when growing in the nursery-row. Both too low and too high are fatal to the best results. When set and "tramped" the crown should be just level with the top of the ground. The usual method adopted in the actual setting of the plant leaves much to be desired. When the roots are spread out fan-shape in the hole, sift fine soil amongst them, so that when tramped each and every rootlet will be crowded against the soil, and no air spaces be there to dry them out.

Raspberries and Blackberries

There have been such great improvements in these berries the past few years that the market for them has been constantly expanding, but the demand has never been equalled by the supply. Their is a field for the expert berry-grower, one who will have the nerve to grow his berries on the principles of the Oregon apple-growers—marketing only perfect fruit. I hope to see acres of these popular fruits set out this spring, as they will be immensely profitable for those who are within easy reach of a market.

However, this matter of a market should receive serious consideration before you embark in the berry-raising business. Raspberries, if properly picked, will carry safely a hundred miles to market. But they must be cooled before packing, and must be handled with extreme care, something which is difficult to secure with hired help, unless they pack by piece-work, and you give them rigid inspection.

If your market is all right, consider the question of hands to harvest the crops. In a good season, a well cultivated berry-patch will ripen and must be gotten to market within a comparatively few days, and if you cannot count on enough hands, better not plant too many berries.

These conditions do not apply so much for those who grow for the canners, as the latter will see to it that there is help enough to harvest the crop, but the profitable berry growing is that for the family trade, which should be solicited in advance, and every quart sold before they ripen.

Cultivating Small Fruits

The cultivation of the small fruit should begin as early as the ground can be worked. This is especially the case in those patches which in the past have been practically abandoned after the crop is harvested. I wish my garden friends, who grow small fruits, would, this year, try the better plan of all-season-cultivation, as well as post-harvest pruning—which latter will be spoken of at the proper time, later on. *Cultivate, prune and fertilize* for success with small fruits.

The Grape

I am going to tell my readers from time to time how to succeed with the grape. The grape-growing industry as a side issue on the farm has in many sections almost died out, yet it is a very profitable one. The ravages of the various insects and fungous diseases have so decimated the vines, and destroyed the crops, that many have quit grape-growing in disgust. Every one knows about pruning the vines early, and I will not touch on that, now, but if you have grape vines, which have had *anthracnose* or *black rot,* spray them at once with the following solution:

Copper Sulphate Solution

Copper sulphate, 1 *pound; water,* 25 *gals.*

Dissolve the sulphate in a little hot water, and mix thoroughly. Apply this just before the buds break. If the buds are out in your section, use in place of the above the standard Bordeaux Mixture. Spray freely.

Give a spraying of Bordeaux mixture just before blossoming, and another when fruit is set. Further directions will be given later.

Success with the grape depends very largely in not allowing the vines to overbear. Pinch off every other fruit stem which naturally appears, and when the fruit gets to be half grown, go over the vines and judiciously pinch off such leaves as interfere with the fruit getting the sunshine, as the latter is necessary for perfect fruit. Some gardeners pinch off the stems above the last fruit stem, but I do not advise the amateur to attempt this, as it may prove fatal to the vines, by intense "bleeding, if not properly done. Watch this Department, later on, for full directions .for growing a perfect crop of grapes. In the meantime give them a top-dressing of a standard fruit fertilizer, the same as you would for other small fruits.

The Currant

The currant should be cut back one fourth last season's growth, and just before the flowers open spray with

Ammoniacal Carbonate of Copper

Carbonate of copper, 5 *oz.; Ammonia,* 3 *pints; water, fifty gallons.*

Dissolve the copper in the ammonia and

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keep the solution tightly corked until ready to use. Mix with the water and apply at once. This will prevent leaf-spot of the currant. As soon as the leaves are well developed, at once, after a rain, dust with white hellebore powder, to catch the early worms. Repeat a week later.

THE ORCHARD

Spraying

If the spraying so far has been done according to directions, and on time, there will be a lull in the spraying work of the orchard until toward the middle of the month, when, in the more southerly sections, it will be time to spray to catch the coddling-moth and the early spores of the scab. These operations are most important, as a neglect of them will render of no avail all the work which may have gone before. Remember, that it is the persistent work which wins in fruit growing.

Cultivation

The cultivation of the orchard should have been done at least once by this time. In this, as well as in other orchard operations, thoroughness pays big dividends. The early crops of weeds should be killed and the ground put into condition to allow the plant food to penetrate to the root-hairs which are awaiting it below. After the second cultivation, if your orchard is not weedy, it will suffice to drag and smooth it, alternately, especially if the soil be well filled with humus. A shallow disking is perhaps the best for first or second cultivation in the orchard. Avoid deep cultivation at all times.

Healing Tree Wounds

This is a good time, between seasons, as it were, in the orchard, to go over the trees and repair the ravages which even the best of pruners will leave on the trees. It is not best at the time to paint the raw surfaces where large limbs have been off, as this is usually done during cold damp weather, and the effect is not so good, but when the first dry warm weather comes in May, is a good time to do this. Give the butts a good first-coat of thin white-lead in linseed-oil, and, when this is dry, a coat of thick, pure, white or red, lead—as thick as it can be brushed on.

When doing this, repair with sharp tools any unskillful work done in the hurry of pruning, and where limbs were allowed to fall without an under-cut haing first been made, making a hole where the limb joined the tree, clean out this hole, and fill, level with the bark, with equal parts of Portland cement and sharp sand, mixed with just enough water to allow it to be worked.

This will grow over, and no bad results follow. Where top-working has been done, examine the wrappings, as they *sometimes* work loose, especially if the wax was applied too stiff.

GARDEN NOTES

About this time in the season the gardener wonders why weeds were created and allowed to pester her with their undesired presence. Do you realize that it is simply a case of not-guilty on the part of the weeds? Few of them are indigenous. Most of them have been imported from other countries by man, and they give a fine illustration of Darwin's law of the "Survival of the Fittest." In spite of all the warfare which man has waged against them, they are as plentiful as ever. Why? Because by the operation of this law they have become highly specialized in the function of providing for their perpetuation, and man is powerless to eradicate them, excepting from that portion of the soil which he at the present time may be working. A plant taken to a new country and domesticated does not often become a pest; but if they be carried there accidently and get astray as a weed this law at once becomes operative, and they soon establish themselves. Keep up the fight on the weeds.

The parsley which was sown last summer, and which grew into fair sized plants before winter, should now be separated and set a foot apart, in very rich soil, in a place where it will have at least partial shade in the afternoon. Do not pull the plants up, as they check from such transplanting. Dig them up with a ball of soil, and they will never show signs of being moved.

The early beans will be ready now for their first working. They should not be worked with while damp or they are liable to rust. It is not the working with the wet beans, exactly, that causes the rust—not directly—but when working with them the spores of the rust are carried to the plants by the implements and clothing, and they adhere to the wet beans, and stay there. Beans are liable to rust which are not worked while wet, if there be any moving spores to alight on them then.

It will pay you to watch your peas and other legumes so as to get a line on the needs of your garden in the matter of nitrogen. The condition of the *legumes* is the best test of the amount of free nitrogen in the soil. If they are full and vigorous, the soil has a good nitrogen-content; but if they are spindly and do not pod well, the soil is deficient in this necessary article of plant-food. Observe and act accordingly.

Did you get a wheel-hoe for your wife and children to use in the garden while you are riding the wheel-cultivator in the field? They are willing to walk it. It will pay in happiness and in returns from the garden.

There are certain crops which should be picked while young and tender. Yet, a glance at the counters of the green-grocers shows some of these which are allowed to remain in the garden until their best condition is past. Green onions, peas, sweet-corn, baby-beets, and beans to be eaten in the pod, are the most conspicuous of these.

The early tomato plants which have been growing in pots, and which may now be in bud, can be set out in the open if they be covered at night and on cool days with boxes, or building paper cones, to prevent temperature-checking. Keep them in the pots until they bud.

SPEED

It seems incredible that a human being can safely travel faster than two miles in a minute but recently Oldfield drove an automobile over an accurately measured mile on a Florida beach in 27 nnd thirty-three hundredths seconds at the rate of 131 miles per hour This performance was timed by a specially devised electrical apparatus which recorded hundredths of a second, and marked the most rapid flight ever made by man.

In 1902 in a German government test an electric trolly car made an average speed of 128 miles per hour while the fastest recorded speed of a steam locomotive is 120 miles in an hour. A carrier pigeon in a hundred mile flight in 1900 flew at the rate of 85½ miles per hour which has been nearly equaled by the fastest motorcycle at a speed of 84 miles. A bicycle rider has gone 63 miles per hour but the most swift aeroplane has not exceded 50 miles an hour, and the speediest motor boat has averaged just less than 38 miles. Horses have traveled faster than steam ships as the Mauretania's record of 30 miles is not as fast as the running horse, Salvator"s 37 miles or the pacer Dan Patch's time 32½, although trotting horse has made but 30 and 4 tenth miles an hour.



An interesting comparison can be made of these rates of speed and a man skating 27 miles an hour, running 14 miles an hour, rowing nearly 13 miles per hour, walking 9 miles per hour or swimming 2½ miles an hour.

Traveling at the rate Oldfield drove the 200 horespower auto the jourey from New York to San Francisco could be made in 24 hours while a man walking 12 hours a day continuously would take 30 days to travel this distance. That German engineer can design and build a piece of mechanism of this enormous power which will operate so perfectly under such extreme conditions and be capable of such speed is most noteworthy and proves the sterling value of the modern motor car and its dependability.

One of the cars to win a perfect score in the recent 175-mile endurance run of the Savannah (La.) Automobile Club was the Hupmobile. The run was over roads of wretched condition, between Savannah and Jacksonville, Fla., occupying two days. The Hupmobile was in competition with cars of much greater weight and horsepower.

Word has been received of a rather remarkable record made in Minnesota with a Hupmobile. J. B. Keller drove a Hupmobile from Minneapolis to Breckenridge. The distance of 250 miles was made in 12 hours, and the gasoline consumed was only ten galions—an average of 25 miles per gallon over rough and tumble roads.

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It is as faithful as a horse—as easy to drive as a horse—and cheaper than a horse compared with the work that it does.

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A 40-horsepower Overland sells for $1,250. And the other styles—up to $1,500—are just as cheap in comparison.

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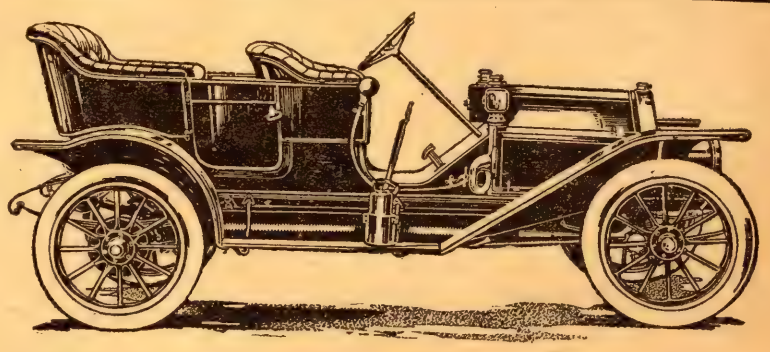
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THE POETS TELL IT ALL

DO you ever consider how tame our literature would be without po--etry? If a calamity befall there is someone ready to write poetry about it. If a discovery is made a rhymster tells of it. If a noble deed is done it is immortalized in verse. If something amusing or ridiculous occurs it is jingled out in rhyme. If there is something sentimental, something that takes hold of the heart, reaches the inner life and penetrates the soul—ah, there is where poetry finds its most inviting field, is most at home, and comes from the heart. Like this lament of the old farmer, for instance, who was left all alone, and had gone to live with a son in the city. When the old heart is left desolate, the pomp and glitter of wealth, backed though it may be, by fillial love and affection, cannot mend the broken hopes nor stop the ceasless longing. Mrs. S. E. Bandy tells it truly in

THE OLD MAN'S REQUEST

Oh, take me back to the country, I'm tired of all this din.
Just cooped up in the house and yard, I think it is a sin,
When there is so much room outside, in this big world of ours,
Out in the country, on the hills, among the trees and flowers.
This city house of yours, my son, is mighty nice to see,
But the farmhouse where I was born, is good enough for me.
'Twas there I spent my boyhood days, and there I brought my wife;
We lived there forty happy years, the happiest of my life.

Yes, take me back to the country, where all my sons were born.
'Twas there we cut the yellow wheat, and plowed and hoed the corn;
'Twas there you fished on holidays in that dear little pool,
And there I made the money that sent you boys to school.
But now my boys have plenty, and Mary's gone to rest.
Oh, take me back to the country that I have loved the best:
There memories cling around my heart, I never can forget,
Oh, take me back to my old, old home, and I'll be happy yet.

I want to sit in the evening, in that old room so wide,
And think of the time when Mary was sitting by my side.
And as I sit in the gloaming, dreaming the hours away,
Again I will hear my children out in the yard at play.
Again I will hear the laughter of those great romping boys.
We never told them to be still, but loved to hear their noise.
My boys were raised in country air, and they are free from vice,
A heritage that can't be sold, or bought at any price.

Yes, take me back to the country, where Mary sleeps so sweet
Underneath the spreading trees, where dewy branches meet;
Where I can plant some lovely flowers upon her lonely tomb,
And in the shade of evening I'll watch them bud and bloom.
And, after all, I think that is the reason why I'm sad:
I want to see my old, old home, and Mary's grave so bad.
And when I bid farewell to earth, I want to rest beside
The one that made this life so sweet, my early cherished bride.

Hours of sadness come to the aged, no matter where they may finish their days. The sweetest memories are sad memories, but old persons like to dwell upon them. A pleasant reminder of them is the following familiar verses on

THE OLD HYMNS

There's lots of music in 'em, the hymns of long ago,
An' when some gray-haired brother sings the ones I used to know
I sorter want to take a hand—I think o' days gone by,
"On Jordan's stormy banks I stand and cast a whistful eye."

There's lots of music in 'em—those dear, sweet hymns of old,
With visions bright of lands of light, and shining streets of gold;
And I hear 'em ringing—singing, where Mem'ry, dreaming, stands,
"From Greenland's icy mountains to India's coral strands.

They seem to sing forever of holier, sweeter days,
When the lilies of the love of God bloomed white in all the ways;
And I want to hear their music from the old-time meetin's rise
Till "I can read my title clear to mansions in the skies."

We never needed singin' books in them old days; we knew
The words and tunes of every one the dear old hymn book through!
We didn't have no trumpets then—no organs built for show;
We only sang to praise the Lord "from whom all blessings flow."
An' so I love the old hymns, and when my time shall come—
Before the light has left me and my singing lips are dumb—
If I can only hear 'em, then I'll pass without a sigh
"To Canaan's fair and happy land, where my possessions lie!"

No old person can hear these old rhymes without the thoughts of other days, but every year finds fewer and fewer that remember them.

But life was not made for sad thoughts. There is gayety in to-day's homes on the farm just as there was years ago in the old homes. Much is going well to-day. Take a modern view of things, and live in the days that are passing. L. C. Greene helps us to do that in some verses which we may head

MODERN FARM LIFE

Would you like to read a poem plainly told in words that charm.
All about a happy home life and the pleasures on a farm,
Where the calves and pigs are growing and the colts are doing fine,
And good money is so plenty there is never cause to whine?

There's a beauty in the sunshine, there's a freshness in the air;
And the rattle of the milk pails! Why, what can a body care?
For the butter brings the money, and the milk makes piggies grow—
When the farmer thinks it over, he's not going very slow.

There's a freedom, there's a gladness, there's a joy and no mistake,
In the broad, productive country, that all farmers should partake;
There is sweetness in the meadows, there are flowers 'round the home,
And the neighbors join together in sweet pleasures as they come.

We forget our toil and labor when we sit at winter's eve,
Thinking of the summer's products and the income we receive.
To be sure, some days of sadness may becloud this life of ours,
But we know, for we have seen it, that there's sunshine after showers.

THE CURRENT "HARPER'S WEEKLY"

The issue of Harper's Weekly for April 23d contains a two-page article giving photographs and biographical sketches of some new heads of New York financial institutions. In the same number "An American Diplomat" discusses "Our 'Dollar Diplomacy' and Secretary Knox." J. B. Yeats contributes an Irish view of "The American Girl." In "The World of Wharves" Ernest Poole tells of the lives of the riverside folk in New York City. John R. Fisher contributes an amusing essay upon our conversational delinquencies, entitled "The Bludgeon in the Drawing-room." This issue contains the customary editorial and humor pages, with fiction, photographs, and many other interesting articles.

"Children Teething"

MRS. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

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CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

May, the month of flowers. That will do for us who live in the latitude of the Hoosier capital; but for the Cadets of Equity—they do not all have it so. In the far South they have long been enjoying the most beautiful flowers, while for our Canadian Cadets the buds have not yet opened. On so broad a farm as that occupied by the Cadets of Equity there are long seasons and short ones, early and late, planting here, cultivating there, and harvesting yonder. Different crops fit the differnt latitudes, and the varying days call for different work. But Equity fits all climes and all periods. It is alike everywhere, and the progressive young people that bear that name are swayed by the spirit of right, of Fairness and of Justice, whether fanned by tropic breezes or made strong and vigorous by the rigors of arctic storms. We have good reason to be proud of such a family, and we open wide the doors for this long procession of bright new comers:

Dear Cadets: I am a girl 13 years of age. I live on a farm and go to district school taught by Miss Elsie Ridenour, who is a fine teacher. We had lots of ice last winter. Sometimes the roads were glare ice, and then we skated to school. For pets we have a horse, a shetland pony, two kittens, a coon dog and a tame coon.

Like Ruth Musgrave I love to read books and papers. Last winter we had an entertainment and box social for the benefit of our school library. We got over 50 books, and I want to read all of them. I would like to correspond with some of the girls of my age in the Southern States, especially of Virginia and Florida.—Mabel Calvin, Bryan, Ohio.

Dear Cadets: I am a little girl 10 years old and live in Idaho. I have blue eyes and dark brown hair. I go to school and am in the 5th grade. I got up a club for Up-to-Date, and got 50 Christmas cards and 50 views in the United States; I thought they were lovely. We raise apricots, apples, grapes, pears, plums, prunes, peaches and cherries. We also grow wheat, barley, oats, rye and timothy. I have three sisters and two brothers.—Mary Largoe, Lenore, Idaho.

Dear Cadets: I am 13 years old and I live in the country. I go to school 3 miles. We live on a farm of 320 acres, and run a dairy. Papa raises barley and alfalfa. He takes Up-to-Date Farming and likes it fine. We can see the Sierra Nevada mountains from here, and they are always covered with snow.—Edna Brinkhoff, Tulare, California.

Dear Cadets: I am a boy of 18 winters, and I like my old Dixie home fine. I have about 15 acres of corn planted (March 12). I take Up-to-Date, and it is a fine paper. We had a big union dinner her last Saturday at Harmony. There were lots of people there, and there was plenty to eat for them all.—Zerie Bruster, Provencal, La.

Dear Cadets: I am 12 years old, and go a mile and a half to school. I have three brothers and two sisters. There is a creek running through our farm, and in the winter we have lots of fun skating. Last winter we only had three or four days skating. In the spring the creek overflows, and then we can boat and raft ride. I like to read books and papers. My sister takes Up-to-Date and we think it is a good paper.—Margaret A. McMaster, Harrisville, Mich.

Dear Cadets: I am 14 years old, and live in the northern part of Illinois, Whiteside county. We live on a farm and raise fruit, corn, rye, cane (sorghum), and many vegetables in the garden. We have a cane mill, and make molasses, which is very nice. It was very cold last winter. The snow was four or five feet deep in places, but it is warm now (March 13), and the snow is all gone. We do not take Up-to-Date, but we received a sample copy, and liked it so well we are now making up a club for it, so others may learn the good things in it.—Floy Fee, Prophetstown, Ill.

Dear Cadets: I live in Illinois, which is a very nice state, the greater portion of it being a level plain. The surface is more uniform than that of any other State in the Union. The only lakes of any note are Lake Picktaka in the northeast and Peoria Lake which is a widening of the Illinois river. The great crops are wheat, corn, and hay. Much attention is given to the raising of live stock. Other crops are rye, oats, barley, buckwheat, potatoes and tobacco. The trees most abundant are oak, black walnut, ash, sugar maple, elm, locust, hickory, persimmon, pecan, cottonwood, sycamore, buckeye, tulip, poplar, beech and black birch. There is also some cypress, cedar and yellow pine. The State is rich in fruits, among them being apples, peaches, pears, plums, cherries, apricots, and the smaller fruits, strawberries, raspberries and blackberries. Illinois has a good school system, and charitable and penal institutions. The chief mineral is coal, but lead and limestone are found. I like horses, and am very fond of riding and driving. I cut wheat last year with a McCormick binder.—Lulu Quick, Lewiston, Ill.

Dear Cadets: I was 13 years old the 13th of March. I live in the country and have to walk three and a half miles to school. We have a nine month school with six teachers in charge. We raise corn, sugar cane, potatoes, peanuts, peas, cotton and oats. I have 3 sisters and 5 brothers. My oldest brother is teaching school quite a distance from home.—Ada Bolgiano, Leesivlle, La.

Dear Cadets: I live in the grand old State of California, and I think there is no other state but it. I take Up-to-Date Farming, and I can tell all the people that it is a fine magazine. I am 20 years old, and live on a farm, where we can see the largest telescope, that on Mt. Hamilton; and on the Pacific Coast is the biggest bathing house, known as Santa Cruz. I will exchange cards with all girls who may send me some.—Lewis Sapeda, Morgan Hill, Calif.

Dear Cadets: I am a girl 10 years old, and have light hair and dark blue eyes, and am 4 feet 6 inches tall. I live in the country near Fruitland, Texas. I love to live in the country where we can raise fruits and vegetables. My teacher is Miss Bertie Owens, and I love her very much. I have a sweet little baby sister named Mamie Elma. This is a fine fruit country, and our field crops are cotton, corn, cane and oats. I go to Sunday school every Sunday. We have been taking Up-to-Date for some time, and like it fine. I love to read the Cadet letters.—Sallie Martin, Sunset, Texas.

Dear Cadets: I am 17 years old and live in Bledsoe county. I go two miles to school and enjoy going very much. I have two sisters and three brothers. My sister takes Up-to-Date, and we enjoy reading it very much, especially the Cadet letters. I think it is the best farm paper ever printed. I enjoy country life fine. For pets I have a cat and a pig; I like to feed the pig best. My father and brothers are farmers. I like the farm and farm animals.—Allie E. Merriman, Mt. Airy, Tenn.

Dear Cadets: Please allow a girl from the Old Dominion to come in and have a chat with you. What lovely weather we are having at present (March 21). The birds singing and the frogs croaking bring to mind the happy thought that "spring with its sunshine" is here. I am a real lover of school days. What could we be without an education? It takes that to make us honest, industrious and intelligent men and women.

I live in central Virginia, on the Warm Spring and Harrisonburg turnpike. Our nearest railway station is about 12 miles away. I love a country life, and enjoy riding horseback. I love to listen to the singing of birds, the humming of bees, and to hear the tinkle of old Brindle's bell in the clover field. I am 16 years old, have blue eyes, light hair and fair complexion; am 5 feet, 4 inches tall; am a lover of music, have an organ, and can play almost anything. I live about a mile from church, where we have preaching twice a month. Our Sunday school has not been organized yet. We take other papers, but I like Up-to-Date the best, especially the pages given to the Cadets of Equity. Would like to exchange cards with the Cadets.—Nita M. Campbell, Millboro, Va.

Dear Cadets: I am a little girl 9 years old. I live on a farm, and this is my third winter in school. I live with my grandparents. My grandmother gets Up-to-Date Farming, and I love to read the letters.—Almena C. Emenheiser, Red Lion, Pa.

Dear Cadets: I am a little girl, and we live on a farm. I go to school and I like it very much. I have been reading the Cadet letters, and that made me decide to write one.—Velma Irene Smith, Springvale, Pa.

Dear Cadets: I am 13 years old. At school when there is snow on the hills we play in it, and when there is no snow we have a field to play in. I would like to exchange cards with some of the young people in the Southern states. I am writing this so I can be a Cadet. I like to read the Cadet letters, especially those from the South. We raise a great many chickens, and I take care of them.—Zoil Shelhamer, Saegerstown, Pa.

Dear Cadets: I am a little girl of 10 years. I live about 20 rods from the school house, and have had perfect attendance nearly all the time. My teacher, Miss Empire, is very good to me. My father has been a reader of Up-to-Date for many years. We live on a farm of 160 acres, and have 6 flower beds around the house.—May Swenson, Fairchild, Wis.

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Send us three dollars now and we will ship at once, seven dollars C. O. D. Put the Camera into operation, earn big money every day, and pay us the remaining five dollars when you have proved that every word we say above is true. Additional buttons one dollar per hundred. We are thoroughly reliable; incorporated under the laws of the State of New York with a capital of $50,000.

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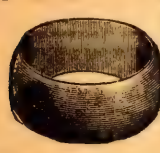
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Send for 10 packages of our beautiful silk and gold embossed post cards to distribute at 10c each. Return us the $1 when collected and we will send you by return mail this very fine 14K gold filled heavy band ring, not the cheap kind. Address, R. F. MOSER, 332 Household Bldg., Topeka, Kan.



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Dear Cadets: I am a boy 16 years old, have dark hair, and am 5 feet 2 inches tall. I live in Southern Indiana, near the Ohio river, and I love to go fishing. We own a small farm, on which we raise corn, wheat, rye, oats, and nearly all kinds of vegetables. I go to school every day I can, and I can do almost any kind of farm work. I like to work in a field, and I enjoy horseback riding. Would any of the Cadets like to exchange post cards? I would like very much to correspond with some of them.—Ebbie Glaze, Elizabeth, Ind.

Dear Cadets: How would you like to hear from a Pennsylvania "gal" once? A year ago I sent in for a pack of post cards and Up-to-Date for three months. When the time expired and the paper ceased to come, we all missed it very much, and when a neighbor's girl made up a club we renewed, we missed the paper so. I am 14 years old, and am as tall as my mother. I have black hair and dark eyes. I have two brothers younger than myself, but no sisters. We live about 3 miles away from the Susquehannah river, on a farm of 165 acres, where there is plenty to do for all. I go to school every day I can, and I think every boy and girl ought to. My advice to Susie M. Cole is to stay on the farm. Get an incubator and raise chicks. That is as profitable, as honorable, and much more healthy in the country than in college, though of course we should all have a good education.

Quite a few of our Pennsylvania people are going to the western states. Six families left here March 22 for North Dakota, and I have an aunt living in Parkston, S. Dakota, and another in Colleridge, Neb. They like the West, but Pa., is good enough for us.—Marie Gamby, Liverpool, Pa.

Dear Cadets: I am a girl 12 years old. I have been taking Up-to-Date for several months. I think it the best paper in the world. I will answer every letter or postal I get, and I hope to hear from some one soon—.Amanda Frankenfield, Telford, Pa.

Dear Cadets: I am a little farmer girl, and I like farm life fine, for I have never lived in a city. I think it is healthier in the country. I am 16 years of age, have dark brown hair and eyes, am 5 feet 6 inches tall, and weigh 125 pounds. I can keep pretty close to Ethel Cartwright riding horseback, for I have never done anything much but ride. I have a little dapple cream pony named Bertie and a nice side saddle, and I am not afraid to run any one here a race. Horseback racing is fine sport for Texas girls. I ride nearly every day. Will some one tell me a pretty name for my two year old colt? I have done most any kind of farm work, but I am going to school now (March 26). I like to go to school, and I like my teacher, Miss Margaret Mizzell. I live 12 miles from Carsicana the county seat. We raise cotton, corn, Irish and sweet potatoes, ribbon cane, watermelons, pumpkins, all kinds of fruit, alfalfa, and garden vegetables, which grow in great abundance. We have dark sandy land and what we call black waxy land, all of which has very fertile soil and is easy to cultivate. I have one sister. She and brother are older than I. I am my mother's baby. My sister received some very pretty post cards from Mr. Everitt for getting subscribers for Up-to-Date. Mother is taking several story papers, but I like Up-to-Date the best of all. I can hardly wait till it comes to our box so I can read the Cadet letters. I would like to correspond with Cadets near my age.—Ruthie Mae Lowe, Roane, Tex.

Dear Cadets: I live in California, 127 miles south from San Francisco, in the San Joaquin (pronounced waukeen) Valley, and 2 miles from Turlock. We have a ranch of 40 acres with grain and alfalfa on it. We have rented an additional 43 acres that has a peach orchard, vineyard and alfalfa on it. This is a fine country. The climate is very fine, with beautiful weather, especially in springtime. We never have any snow, but we have fine rains during the winter months. The soil is fertile. When irrigated it grows abundant crops of sweet potatoes, watermelons, cantaloupes, peaches and grapes, and we can grow five crops of alfalfa a year. We also raise turkeys, chickens, ducks and geese that bring good prices. I am 15 years old, and I like to take care of horses, and to drive and to plow. We came from Michigan last fall, and we like it much better here than we did there. We have taken Up-to-Date Farming about 4 years, and I like to read it very much. My father waits impatiently for it to come every time.—Rudolph Soderquest, Turlock, Cal.

I'll have to close the letters now for this time, for we have not room to print more in this paper, though we have enough left over to fill another paper. I am glad the young people are so progressive as their letters prove them to be, and also that they are able to write such interstng letters. We will print their leters just as fast as we can make room for them. Meanwhile we shall do all in our power for the benefit of the Cadets.

PROPHESIES ON THE COMING OF EQUITY

"And I looked into the future farther than
human eyes can see,
Seeing a vision of the future and the glories
still to be;
Till the war-drums throbbed no longer and
the battle-flags were furled—
In the Parliament of Man, the Federation
of the World."

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Here is a chance to BUY LUMBER at 30 to 60 per cent less than is usually asked for it. It is absolutely **brand new and first-class in every particular.** We bought **50,000,000 feet** from lumber mills at half the usual prices and we are giving the public the benefit of it. There is absolutely no possibility for you to go wrong in this matter. **Never in twenty years has Lumber been offered at such low prices** as we are selling it for now. If you do not take advantage of this chance, you are certainly missing a splendid opportunity. We will quote you freight prepaid price to your railroad shipping point.

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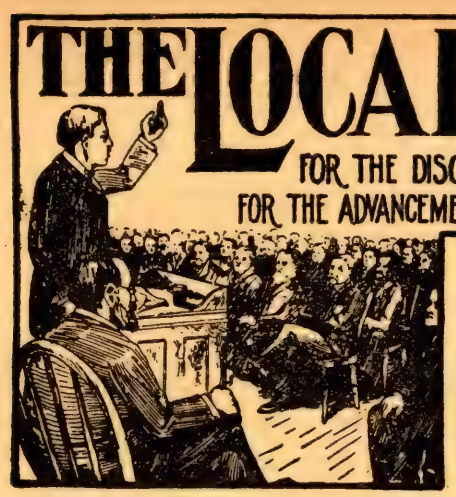
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Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

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Vice-President, W. E. Grellick, Traverse City, Mich.
Secretary-Treasurer, I. C. Rous, Indianapolis, Indiana.

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—o—

For more than eight years we have written and spoken the strongest words we could to teach farmers the necessit of organizing and cooperating to secure what they are entitled to in their dealings with other people.

—o—

We began when the prices of farm crops were near the lowest point in the history of agricultural in the country; when farmers had nothing whatever to say about prices, but accepted without question whatever was offered and when the price of farm land was near the lowest point.

—o—

We said then that farmers could become their own price makers through cooperation and controlled marketing; that the largest crops the country raise would sell at good prices if the marketing was controlled, and that one of the results would be that the price of farm land would increase in value for the same reason that stock in manufacturing and other enterprises increase in value, viz., because of increased earnings.

—o—

In the first six years our predictions were verified. Farmers in some cases came in complete control of marketing their crops and were the absolute price makers, and they exerted such a great influence through intelligently directed control, that the largest crops the country ever grew sold for the highest prices ever known. Also the price of farm land increased from 25 to 100 per cent, or more, because of its increased earnings.

—o—

Every well-informed farmer must admit that what we have stated actually occurred between 1901 and 1908, although many of them do not know the cause, and probably never thought that there was any particular cause for better prices. To such we advise them to search for the cause and we believe they must conclude that more of controlled marketing did it.

—o—

But a change is coming again. Although the crops of 1909 were not larger than in some of the previous years since 1901, and not as large as some; also notwithstanding that prosperity is abroad in the land, consequently there should be no decrease in consumption, the prices of all farm crops are falling.

What is the reason? Thousands of farmers who controlled their marketing, and held part, or all of their crops for better prices beginning in 1902 down to 1908 and won, now find the rule is reversed and prices are lower than earlier in the season. An example of this we find in the account of the death of Hiram Miller in this issue. The article says, Mr. Miller had 5,000 bushels of wheat on hand at the time of his death. This is not to be wondered at, since Mr. Miller was one of the original incorporators of the Society of Equity and a firm believer in its doctrine of controlled marketing.

—o—

But, you ask, why this difference now, in 1910, from 1908 and 1909?

—o—

It is easily explained. In 1907 the control movement reached its zenith and exerted a new and powerful influence on every farm crop for fair values. Then the organization that represented it was captured by a clique of people who discontinued organizing, consequently the old control influence has weakened. That this is true may be seen in the large visible supplies of the leading crops, which proves that more farmers have returned to the dumping system of marketing.

—o—

It is said that Nero fiddled while the great capital city—Rome— was burning. With the condition that presents itself today to farmers, will they fiddle while their losses continue? Will they bear the burdens today hoping that something will occur next year to recoup them? Will they thus go on from year to year suffering losses, as they did before the Equity movement began in 1902, and bearing burdens that they can easily throw off? Will they fiddle while other people reap the fruits of their toil?

—o—

Understand now and for all time that unorganized people are powerless in this day and age, and without cooperation individuals are as children when doing business with the powerful organized interests. We want farmers to **understand the necessity** of organization and the reasonableness , justice and practicability of the kind of organization and cooperation this paper has taught from 1901 down to the present day. Also the ease with which they may be brought about has been set forth in this paper in as strong words as the language knows, or as we can command.

—o—

Then we say, will farmers continue to fiddle after we have shown them the losses they are sustaining daily; the dangers that lurk in the future when dumping becomes as general as it was before 1902, for instance, unprofitable prices and land values 25 to 50 per cent. less; after we have shown them clearly the position they fill in the world; that the whole world depends on them for comfort and life; that their business exists by Divine right and that God has placed near their hands the means of protection and defense— organization and cooperation?

—o—

We believe farmers will not waste their valuable time fiddling.

—o—

Listen! Tramp! tramp! tramp! We hear the steps of one hundred forty thousand farmers marching to the notes sounded by this paper. The same inspiring strains that first aroused to action float out on the breeze in every state in our land, and the sunlight that kisses our billion of acres of growing crops lights up our banner and makes the word "Equity" glitter in golden letters, a hint of the golden returns from crops marketed through the Farmers Society of Equity, established.

Above is not a mere dream. A new era of organization will begin at once. We predict that the Farmers Society of Equity, representing the only practical and successful plan of farmers' organization and cooperation will

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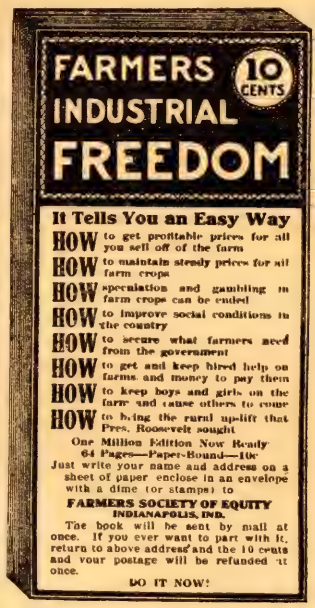
sweep all over the land. We believe we are on the eve of a development in organization and practical cooperation by farmers such as the most enthusiastis member, or optomistic farmer never dreamed of.

—o—

The next issue will give you the reason for our belief and prediction. Look forward to it andn i the meantime fiill out the below coupon for a great book and send it.

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MICHIGAN STATE UNION

At the state meeting held at Traverse City, April 7th, it was ordered that the State organizer shall have charge of organization work in the state, appointing the organizers and directing their activities. W. H. Beeman of Empire was selected as organizer. He is experienced in the work and all who have heard him speak at a F. S. E. meeting know that a wise choice was made.

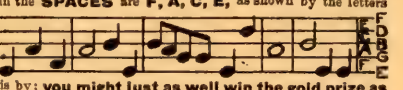
Also, at the request of some ladies from a local at East Jordan the State Union recommends that the National Union by-laws be so amended so as to admit ladies as full and actual members of the society.

The secretary and state organizer request us to state, for the information of members that the membership fee is $2.00 and no more for the first year, and the annual dues, beginning one year after joining is $1.50. These payments include payment for the official paper.

National Organizer Sherman will return to Michigan to assist the State organizer. It is desired to arrange for a campaign to cover the next two months as soon as possible; therefore any section needing the services of the state or National organizer should make its wants known to the Secretary, Chas. A. Edgecomb, Traverse City, Mich., at once.

$250 PRIZE **TRY FOR IT, SURE!**
Nothing Hard, but Calls for Some Smartness and Skill. It Means $250 in Gold for You or Someone.

This is not a music offer—just a puzzle—a brand new one—interesting whether you know music or not. **$250 Reward** for working it. Are you smart enough to find out what sentence this diagram makes? You can consult books or musicians and get your friends to help you, but perhaps you are shrewd enough to read the sentence yourself. Just try it and see. **Someone will get the $250; WHY NOT YOU?** The given notes, when correctly read, make a sentence, which **we will pay you to work out.** The notes run as in music—those on the **LINES** are **E, G, B, D, F;** those in the **SPACES** are **F, A, C, E,** as shown by the letters at each end of diagram, to be read from left to right as in ordinary print. Thus the first four notes make the word "AGED." **What is the rest of the sentence?** The **$250 prize** will surely be paid without quibble or fail, and if you have any use for money you should not pass this by; **you might just as well win the gold prize as the next one.** Write out your answer now and send it to us today with 50 cents for **6 month's** subscription to our big illustrated **weekly, the Pathfinder.** Gives gist of news at home and abroad; non-partisan, reliable; more real meat in it than in any dozen other papers put together. 17th year of success. We have paid out many hundreds of dollars in prizes; our awards are always made promptly and fairly. Now, send us your answer to this puzzle at once, inclosing 50 cents for the PATHFINDER weekly for 26 weeks and you will call it the best investment you ever made. Contest closes June 27, 1910; prizes paid and winners' names published at once. **To the person who correctly reads the puzzle we will pay $250 in cash.** If there should be more than one correct answer we will divide the prize equally among the tying contestants; every correct answer gets a cash prize. You mustn't miss this chance. Pathfinder 26 weeks 50 cents and CASH PRIZE if reading is correct. Don't delay; this ad will not appear again. 50 Cents Brings Paper 26 Weeks and **Correct Answer Secures Prize Money.** Address **The Pathfinder,** Box 51 **Washington, D. C.**



SALESMEN WANTED EVERYWHERE

To sell fruit and ornamental trees, berry plants, shrubs, roses, bulbs, etc. Experience not necessary. Steady employment the year round. Highest commissions, payable weekly. Clean, straightforward proposition. No investment, deliveries or collections to make. You take the orders and get your pay. We do the rest. If you can do business, and want to make money write to us and a salesman's outfit, with full instructions, including a booklet on "Salesmanship," will go forward to you at once **FREE** and postpaid.
PERRY NURSERY COMPANY, - - Rochester, N. Y.

COW PEAS
Write for Prices. All Seasonable Seeds
O. K. SEED STORE, Indianapolis, Ind.



This is Your Last Chance to Get ROSES, CHRYSANTHEMUMS AND CARNATIONS Without Cost

MAY is the best time of all to set these plants, and I hope all who have not availed themselves of our previous offers will not delay longer. You can get a whole garden of plants for a little favor to me. Make your canvass at once, so that the best of all farm papers — UP-TO-DATE FARMING — may go in every home. Do it today and send the order to the publisher. I thank you.
SAMUEL ARMSTRONG HAMILTON, Garden Editor.

4 Best Roses
Will Bloom This Season

1. MAIDEN BLUSH.
   Beautiful white, shading to pink; immense blooms. Summer bedding variety.
2. PINK MAMAN COCHET.
   Large flowers, deep rosy-pink, equally valuable for out-door or pot culture.
3. CLIMBING CLOTHILDE SOUPERT.
   In a single season will grow 15 to 25 feet with cluster after cluster of finest-formed roses. Color, ivory-white shading to a silvery-rose.
4. HELEN GOULD.
   The strongest growing, freest blooming, hardiest large red rose. Rivals American Beauty.

4 Fragrant Carnations

1. ENCHANTRESS.
   Rose-pink color. This is the queen among carnations on account of its immense size, beautiful color, delicious fragrance and long, strong stem.
2. HARLOWARDEN.
   Bright, dazzling crimson. Flowers often measure 3 inches across.
3. ELDORADO.
   Light, clear yellow. Flowers large and finely formed on good length stems.
4. QUEEN LOUISE.
   The best pure white carnation ever introduced. A great bloomer all summer. Flowers large and very fragrant.

4 Best Chrysanthemums



Plant in May in good rich soil. When plants are 8 to 10 inches tall nip out the top to make them branch. When branches get several inches long, pinch out those tops too. Don't do this after August 1.

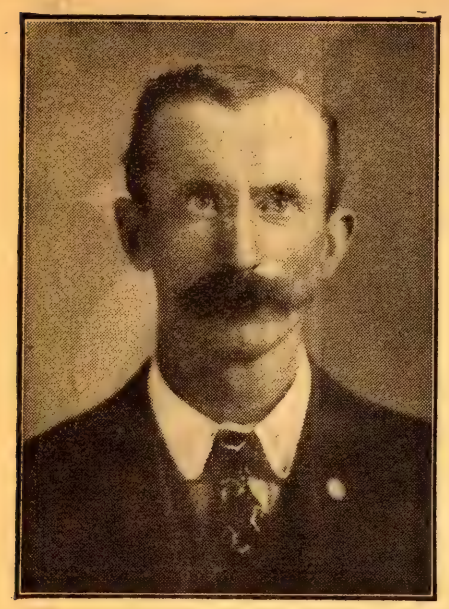
1. ESTELLE.
   Pure white; early and very large flower.
2. VIOLET ROSE.
   Beautiful rose-violet color. Flowers extra large size. A superb variety.
3. BLACK BEAUTY.
   Blood-red color. A wonderful variety both in form and color.
4. GLORY OF THE PACIFIC.
   Color pink. Magnificent size and depth. It will delight every grower.

MY OFFER With each new or renewal subscription at 30 cents a year, I will send any one of the above collections; or, for three new or renewal subscriptions at 25 cents each, 75 cents, we will send all three collections or three of any one. I want you to see all your neighbors on this offer. Send as large a club as you can. Fill out the coupon and if you will send the club, attach it to the coupon.—S. A. H.

— — CUT COUPON OFF HERE — —
ANNUAL FLOWER PREMIUM COUPON
Publisher UP-TO-DATE FARMING, ..
Indianapolis, Ind.
Enclosed please find $.....for..... subscribers for one year each, to be sent with the premiums to the names and addresses *on the list attached.* Be sure to say if new or old subscriber. If now paid in advance, the time will be extended.

NAME .....

ADDRESS .....



CHARLES A. EDGECOMB
Secretary Michigan State Union Farmers Society of Equity, Travers City, Michigan.

THE PRESENT SYSTEM OF MARKETING VS. THE EQUITY SYSTEM

From the report of the Indianapolis market of April 9th we take the following:

Indianapolis had fixed its mouth for a strawberry feast over Sunday, but failed to reckon with the dealers who have to order a car of berries four or five days before it arrives. Every one wanted strawberries and nobody had enough. Demand had grown rationally throughout the week and consignments had increased, but for the Saturday trade consignments did not approximate the demand. Several carloads were cleared away before 7 o'clock, leaving a solitary crate at each of two houses.

There were two explanations of the shortage, one, that the Indianapolis market has been overloaded several times in the last week, and the strong market in Chicago has induced the bulk of the shipments intended for the local market to go to the larger city. The other is that the local dealers had not properly calculated the extent of the desire for berries and the orders had been too small.

Nothing short of a system that will positively give the supply and demand and where they are, also that will direct the supply to the demand, will remedy the troubles mentioned in the above report. The system that permited the Indianapolis market to be "over-loaded several times in the past week" when the strawberry season is young and then suffer a dearth while, quite likely, another market was being glutted, is no system at all. The Equity System will end all such troubles. Use the Equity System this year.

OBITUARY
HIRAM MILLER

Hiram W. Miller, one of the incorporators of the American Society of Equity in 1902 and its first treasurer, died at his farm home, near Indianapolis, April 22, in the 65th year of his age. He had been in failing health for about six weeks, but a fatal termination was not expected, or at least not so soon. Death came suddenly and was due to heart failure.

Mr. Miller was born on the farm where he died, which now consists of about 800 acres in a very high state of cultivation and improved with large, modern buildings. He was the first man to whom Mr. Everitt explained his plan to organize the farmers for co-operation in marketing their crops. That he believed in the principle of the Society of Equity is shown by the fact that he was holding about 5,000 bushels of wheat when he died.

Besides his agricultural operations he was treasurer of Marion County one term; was township trustee for two terms; was one of the organizers of the State Bank in Indianapolis, now the Columbia National Bank; was a trustee of the Methodist Church near his home, and a Mason.

Mr. Miller was proud to be known as a practical farmer and no person who knew him doubted but that he was a successful one. He was a man of sterling qualities, wise in counsel and just in business—a man of whom it could be truly said, his word is as good as his bond.

A WARNING TO HOME SEEKERS

Dear Mr. Everitt:

I want to ask you to sound a warning to the farmers. Some real estate boomers of this state are sending their men through the country giving moving picture exhibitions and lectures exploiting common "adobe" land as suitable for general farming purposes, especially for growing alfalfa and rice and selling such land at $80 to $100 an acre.

The fact is that such land can be bought here for $20 to $40, in small tracts and no reputable firm will recommend the land for the crops mentioned. I also want to state that the views shown by the people I have in mind were taken six miles from the land offered for sale and their land has not a house or tree on it.

The result of such misrepresentations is that people come out here and find conditions altogether different from what they were led to expect and often go back east disgusted with the whole country. Thus an irreparable damage is done to the legitimate real estate men of our valley (Sacramento)—J. B. Coghill, Chico, Cal.

Have you ever tried shipping your livestock to the big markets, where you can get top prices? Most of the big stock raisers manage their sales in that way, consigning their stock to the care of a reliable commission house. One of the oldest and most reliable concerns in this line, is Clay, Robinson & Co., Chicago, Ill. If you are considering the sale of any live stock be sue to write this company, who will be glad to supply you with market information and advice, if you mention this paper when writing.

DAYS MEAN DOLLARS



WHEN YOUR GRAIN IS RIPE

WHAT of the harvest time? Will you be ready? The Spring rush is on. Each day, for several months to come, will find you more and more pressed for time.

Look over your harvesting facilities now. Nothing else is so important. Make sure that harvest time will find you prepared to crowd every hour full of rapid work, well done.

It is very important to have your fields properly fertilized; and it is important that the seed bed be properly prepared before seeding time. It is also important that the best quality of seed be selected and drilled into the ground evenly and at a uniform depth; in other words, all the preparatory work involved in growing wheat and other grain crops is important and, therefore, should be carefully done—but no matter how carefully you may do the preparatory work, if the rush of harvest takes you unawares and you plunge into your fields with inadequate equipment, more or less loss is inevitable, for delays in the harvest fields are costly. Therefore, it behooves you to make sure that your harvesting machines are ready to go into the field. If repairs are needed, now is the time to secure them—if a new machine is needed, now is the time to decide which one to purchase.

Remember what a vital part the harvesting machine will play in your returns on the year's business. There is too much at stake for you to take the slightest risk. It isn't necessary. You can insure yourself against loss. Choose your equipment from the I H C line of machines.

Thousands of farmers are secure in the prospect of reaping all the profit that their grain will represent in the fields because they have chosen machines from one of these six lines—

Deering McCormick Osborne
Champion Milwaukee Plano

Take your choice from these and be sure of getting the most work done in the shortest time at lowest cost.

You cannot get a machine under any other name that will pay you such big dividends on the investment.

Bear in mind that if you attempt to pull through another harvest with machines that are old and worn there will be heavy loss of time and grain. Perhaps a breakage will occur on the most critical day, and unless it is an I H C machine you may have to wait long for repairs.

To put your money into a machine of unknown worth or doubtful character would be equally short-sighted.

The test of time, the successful experience of thousands of farmers, shows you the way to sure results—an I H C.

Among the six styles you are certain of finding one that will just meet your requirements in every particular. And whether the conditions for harvest be favorable or unfavorable, whether you have a fine, uniform stand or a beaten down, tangled crop to reap, the work will go forward smoothly, rapidly, uninterruptedly, netting you the maximum profit. In case an accident should happen I H C interchangeable parts are always quickly at hand through the nearby I H C dealer.

Every I H C dealer carries a stock of repairs that fit when repairs are needed.

Repairs having the I H C standard of excellence can be secured at almost every cross roads or village. This availability is not only a great convenience, but also saves valuable time which means money to the busy farmer in case of accident in the harvest field.

And don't experiment on binder twine. Some low grade fibre has been used in the manufacture of binder twine for the harvest of 1910, and it is unnecessary to state that those who attempt to use twine made from low grade Manila fibre will have trouble.

It is to the farmer's interest always to keep a weather eye on the future, and in this particular instance to secure his twine supply, whether it be Sisal or Manila, at as early a date as possible. Get one of the seven perfectly dependable brands of twine and be sure. Choose Deering, Champion, McCormick, Milwaukee, Osborne, Plano or International—in Sisal, Standard, Manila and Pure Manila brands.

If it is not convenient to see an International dealer promptly, write for full information and the catalogues you want.

INTERNATIONAL HARVESTER COMPANY OF AMERICA
(Incorporated)
CHICAGO U S A



FOOL QUESTIONS

"Son, why did you slip off and go skating today?"

"Pa, do you remember what you sent me to bed for last night?"

"No; what was it?"

"It was for asking fool questions."

CAN HEAVES BE CURED?

It has long been a question as to whether there is any remedy that will actually cure heaves. The BeSaw Chemical Company, whose advertisemet appears in another column of this paper claims that their Arabian Heave Tablets will cure, and have cured hundreds of cases in the last six years. To prove this they have offered to send a free sample to any one having a horse afflicted with this disease. This remedy is well supported by testimoials and we know the Company to be thoroughly reliable. We believe it will pay our readers who have horses afflicted, or showing signs of this disease to answer this advertisement.

When writing to advertisers don't fail to mention Up-to-Date Farming.

Extra Fine Post Cards Free

Send 2c stamp for five samples of our very best Gold Embossed Friendship, Flower and Motto Post Cards; beautiful colors and loveliest designs.
Art Post Card Club, 875 Jackson St., Topeka, Kan.

WANTED

Experienced organizers—Those who have gotten good results in organizing fraternal societies, co-operative societies, farmers' elevators creameries, etc.—or others who think they can make good.

We can offer the best inducements to such people they ever had. Business lucrative, honorable, pleasant.

Addres: Dep't of Organization,
FARMERS SOCIETY OF EQUITY.
Indianapolis, Ind.

Here It Is

It Is Waiting For YOU

Here is just what you want, just what you need. You have been looking for it and here it is. Send for it and stop worrying. Say the word and it will be sent to you. Send us the message in the coupon, saying you have read this announcement, saying you want to try it and it will be sent by mail, without a penny. It is Bodi-Tone, the real remedy for the sick, whose fame is spreading like wild-fire from the Atlantic to the Pacific, which is curing sick-folks by the hundreds, the medicine your neighbors are talking about. This announcement is put in this paper by the Bodi-Tone Company of Chicago, who invented Bodi-Tone over a year ago and immediately offered it on trial to all the sick, a fair and honest way, so everyone could try it and judge its curative value before paying a penny for it. The Bodi-Tone Company has sent out over one hundred thousand $1.00 boxes during the past year in this way, to people in all parts of the country, without a penny in advance, and thousands have seen, felt and known its great curative benefits. Now the Bodi-Tone Company wants *you* to try a *full-sized one dollar box* of Bodi-Tone at its risk and expense, so that *you*, too, will get to know the great curative and restorative forces in this extraordinary medicinal combination, which is rapidly proving its superiority over the common and ordinary proprietary medicines that have so badly disappointed the sick. We want you to fill out and send us the "*Trial Coupon*" printed at the bottom of this announcement, giving us your full name and address, and the one dollar box of Bodi-Tone will be sent to you by next post, without a penny for you to pay unless it proves its value in the ailments which are troubling your body, unless it benefits you, unless it proves to you that it can cure.

Bodi-Tone

does just what its name means—*cures disease by toning all the body*, and we want you to try it and see what it will do for *your* body. Bodi-Tone is a small, round tablet, that is taken three times every day, either before or after meals as you may prefer. Each $1.00 box contains seventy-five of these tablets, enough for twenty-five days continuous use, and we send you the full box without a penny in advance, so that you can try it and learn what it is, so you can learn how easy and simple it is to take, so you can learn how it works in the body, how it *cures stubborn diseases* by helping nature to tone every organ of the body. The composition of Bodi-Tone is not secret. Every one of the many valuable ingredients used to make this splendid remedy are well known to all doctors of all schools; each has a well defined, well known and thoroughly established place in the realm of medicine and is prescribed by physicians every day of the year. Each ingredient is named and fully described in the Bodi-Tone Book, which tells all about Bodi-Tone and is sent free to every Bodi-Tone user. You know just what you are using and know it is good and safe. Among the ingredients which compose Bodi-Tone are Iron, to give life and energy to the Blood, Sarsaparilla, to purify it, Phosphate to nourish the Nerves, Lithia for the Kidneys, Gentian for the Stomach, Chinese Rhubarb and Oregon Grape Root for the Liver, Cascara which restores tone to the Bowels and Intestines, and Peruvian Bark for the General System. All these ingredients pull together to *restore health in the body*, each serves to build upon the others work, each one helps.

Highest Medical Authority

We claim no credit for discovering the ingredients in Bodi-Tone, each of which has its own well-deserved place in the medical books of most of the civilized world and all of which are recommended by the best modern medical writers and teachers. Many are prescribed regularly by the medical profession for diseases in which we recommend Bodi-Tone, most of them have been successfully used separately or in combination with other drugs for the treatment of innumerable diseases, but *the exact combination found in Bodi-Tone* is peculiar to Bodi-Tone alone and gives Bodi-Tone a curative and restorative power peculiar to itself, that has brought health to thousands during the past year's time. We simply claim credit for the formula which we have invented, for the way in which these valuable ingredients are combined, for the proportions used, for the curative force which thousands have found in Bodi-Tone, for the cures which make it different from other remedies. That is why we want to send a box on trial to you immediately, as soon as you write for it, for we know you will find it different and superior. Though Bodi-Tone is a scientific medicinal combination, most of the ingredients used in it are familiar to the common people, and are remedies which they as well as the doctors *know to be good*, remedies in which they can place the fullest confidence and which they know they can safely use. Bodi-Tone is right all through, from the first to the last ingredient, a remedy that knows its work in the body and does it in a way that satisfies the body-owner. It is a pure remedy that all the family, young and old, can use. It contains no narcotic or habit-forming drugs, it contains nothing that we are ashamed to tell all the world, it contains no ingredient that your own family doctor will not endorse and say is a good thing. It does not depend on drugging the body. It does not kill pain with opium or morphine. It does not excite the body with alcohol, but it tones the body and cures its disorders with the remedies nature intended to tone and cure the body or that power would not have been given to them.

Bodi-Tone

offers its valuable services to you right now, right from this page, if you are sick, if you need medicinal help, if your bodily organs are not acting as they should, if your body is not in right, natural and normal tone. This is what Bodi-Tone is for—*to help nature restore tone to the body*, to restore normal health, energy, vigor, vitality and strength. If there is anything wrong with your Kidneys, Bodi-Tone helps to restore tone to the Kidneys, helps to set them right. If there is anything wrong with your Stomach, Bodi-Tone helps to tone the Stomach, helps to set the wrong right. If there is anything wrong with your Nerves, your Blood, your Liver, your Bowels or your General System, the ingredients in Bodi-Tone, which are endowed by nature with a special action in these parts, go right to work and keep on working day after day, exerting always a well understood, definite action that produces curative results of the kind sufferers appreciate. If you have Rheumatism, Bodi-Tone, a splendid eliminant, helps to eliminate the Uric Acid from the system while it restores tone to the Kidneys, Stomach and Blood, thereby exerting a continual anti-rheumatic effect which makes it hard for rheumatism to obtain or retain a foothold in the system. Bodi-Tone should be used by all women suffering from any of the various Female Ailments, for its toning properties are especially valuable in such ailments. Bodi-Tone is especially urged for all chronic sufferers who have tried honest, reputable physicians at home and elsewhere without getting the relief and permanent benefit desired. If your local doctor is doing you no real good, if you have given him a real and honest chance to do what he can and the medical combinations he has used have failed, then give *this scientific, modern combination* of old-time remedies a chance to show what it can do for you.

It Is Proven

If you read our Bodi-Tone offer a year ago, when Bodi-Tone was first offered on trial, and hesitated to try a new medicine, you should hesitate no longer, for the curative powers of Bodi-Tone have been amply proven by one solid year of cures. It has been tested in thousands of cases, covering a great variety of ailments in both sexes, at every age, and the results obtained are more than sufficient to amply prove the wide curative value of this splendid formula. It was advertised right from the start as a remedy for *all* of the body and its aid has been sought by chronic sufferers from most of the important diseases which destroy the body's peace and comfort. Over one hundred thousand people have used it during the past year. Persons suffering from Rheumatism, Stomach trouble, Kidney, Liver and Bladder Ailments, Uric Acid Diseases, Bowel Complaints, Female Troubles, Blood and Skin Affections, Dropsy, Piles, Catarrh, Anæmia, Sleeplessness, LaGrippe, Pains, General Weakness and Nervous Breakdown, have tested Bodi-Tone and proven its value in such disorders. Their experiences have proven beyond a shadow of doubt that the Bodi-Tone plan of *toning all the body* is a right plan that helps to *cure* these and other disorders, that it is a *real aid to nature*. How Bodi-Tone has acted in these cases is best shown by the letters of praise received from former sufferers. Every day's mail brings its share, for the fame of Bodi-Tone is *spreading like wild-fire*, because *Bodi-Tone is doing the work* and proving its superiority over common remedies. Many who have for years been in poor health and have tried most all of the prominent medicines, have written that *one single box* of Bodi-Tone did more good than *all* the others combined. Other sufferers, who have tried good physicians and specialists for their various troubles, often doctoring at great cost over a long period, have written that Bodi-Tone did the work after the doctors medicines had failed.

The letters and reports printed in this announcement are but a sample of the many we receive every day. Read them and judge for yourself. If you are sick or in poor health, if you have been doctoring without benefit, if you are discouraged, send for a box of Bodi-Tone on this most liberal and fair trial offer. Try a *real remedy for the sick* and see what it does for you.

COTESFIELD, NEB.—I have had Stomach trouble for eleven years and very bad for the past four years. Before taking Bodi-Tone, I had to throw up my supper every night. I would have such pains and such a heavy weight at my stomach and would nearly smother with gas. I would almost die and had to throwup what I had eaten to keep from smothering to death. It was so bad for four years that I was almost a walking skeleton. Now I am much stouter and do'nt look like the same person. My stomach digests what I eat and that trouble is all gone. Before using Bodi-Tone I was so nervous and had such pain in the top of my head, and Bodi-Tone has remedied that also. I have tried home physicians, have doctored with a well-known specialist, and have taken a number of different patent medicines, but they only did me harm. I cannot praise Bodi-Tone too highly. MRS. WM. BECK.



CULVER, IND.—I am telling all of my neighbors and friends about Bodi-Tone, and when they ask me what I know about it I tell them all I know is that it reached my case and did me more good than any other medicine I ever took, which is enough for me. My troubles were lame back and continual tired feeling, due, as I believe, te weak kidneys. My back was so bad that when I stooped over I could hardly raise up again and I suffered much pain with it. I took most everything recommended for lame back and kidney trouble but found no relief until I used Bodi-Tone. I used only two boxes and have not since been bothered with my back, and instead of feeling tired I feel like working all the time. I heartily recommend Bodi-Tone. OTIS E. MARSH.



GASTONIA, N. C.—When I began Bodi-Tone I was in a very weak condition, and had tried so many medicines that I became discouraged. I had been in very poor health for five years, suffering from different diseases and with a debilitated, run-down system. I was full of Malaria. I had two physicians waiting on me and they gave me only temporary relief and told me I would have to have an operation, which I would not do. I scarcely had strength enough to dress myself in the mornings and had to stay in bed, not able to do my household duties. I began the use of Bodi-Tone three months ago and my improvement was so rapid that in a few weeks I was attending to my household duties and rested better at night than I had in years. I now enjoy perfect health and have gained ten pounds. MRS. R. M. CURRIE.



DORSET, VT.—I had Rheumatism very bad and was lame and sore all over. My Kidneys bothered me; Bodi-Tone has freed me from all of these troubles.
MACK FISHER.

Trial Coupon

Clipped from Up-To-Date Farming.
Bodi-Tone Company, Hoyne & North Avs., Chicago, Ill.

I have read the Bodi-Tone Announcement, offering a $1.00 box of Bodi-Tone on 25 days trial, and ask you to send me a dollar box by return mail, postpaid. I promise to give it a fair trial and to send you $1.00 for same promptly if I am benefited at the end of 25 days. If it does not help me I will not pay one penny and will owe you nothing. Neither I nor any member of my family have ever before used Bodi-Tone and I state on honor that this application is made for my own personal use and not for any other person. The following is my full name and address to which the Bodi-Tone should be sent.

Name _____

Town _____

State _____

St. or R. F. D. _____

Bodi-Tone Company,- Chicago.

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, MAY 15, 1910 | Number 10

A NATIONAL GAME



The farmer tries to pitch his produce straight to the consumer. But the present system of distribution interferes, with the result shown in this picture. See the next page for the proper System of distribution.

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

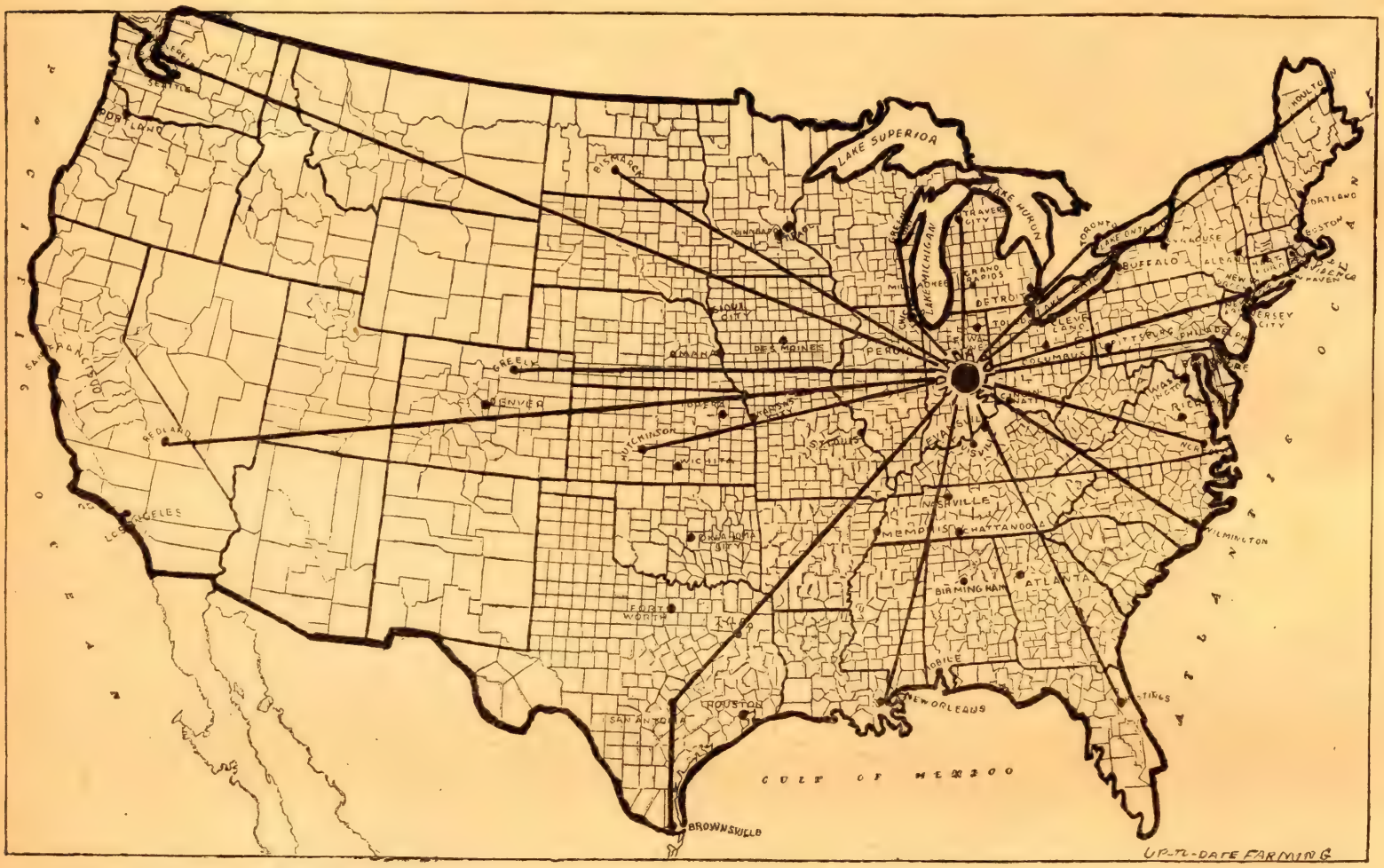
It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

The Final Test of Farming Is in the Price of the Crops

When to Sell Where to Sell How to Sell

FARM CROPS AT LAST REMOVED FROM THE LIST OF UNCERTAINTIES AND MADE AS CERTAIN FOR MARKETS AND AS DEFINITE FOR PROFITABLE PRICES AS ANY COMMODITY IN THE COUNTRY.—THE EQUITY SYSTEM OF MARKETING.



This map illustrates the EQUITY SYSTEM of directing the marketing of farm crops. The point from where the heavy lines diverge is Indianapolis, the headquarters of the FARMERS SOCIETY OF EQUITY. The lines are represented as terminating at a County Union of the Society which reports the supply of farm produce in the county to headquarters. If this feature of the System would be illustrated in full there would be a line running to every agricultural county in the country.

The black dots represent leading markets, but the System's activities are not confined to these. They will reach every market that buys in carload lots.

The advantage of the System is in the fact that it easily, quickly and cheaply records all the supply of farm crops in the country on any day where it is and on what railroads it can be shipped. Also it records all the demand for any and all crops, and where it is. It is then a series of simple clerical operations to direct the supply by the shortest and cheapest route straight to the demand. Thus no market need be glutted but all will get their share. The result will be more consumption and steady and equitable prices.

Some of the Things the Equity System Will Do

IN the Equity System a telegram costing $1.00 will place on file at headquarters, Indianapolis, Ind., a complete report of all crops ready to market, or to be ready soon for any county in Cal., Ore., Washington and other most distant States; 75 cents will do the same for Cameron county, Tex., the extreme southern producing section of the country; 60 cents for any county in central Texas., Ala., Fla., Maine, N. D., Colorado, Etc.; 50 cents for counties in the Carolinas, Va., N. J., N. Y. City, Northern Mich., Wis., Etc., and 25 to 40 cents for counties nearer to Indianapolis.

A similar expense for telegrams will also place on record at headquarters all the demand in all the markets of the country.

Also a like expense for telegrams will send instructions to each county, having something to market, exactly where to ship to meet the demand.

To make it clearer: 25 cents to $1.00 will report all the **supply** of farm crops **in any county** to headquarters and 25 cents to $1.00 will tell the county where to send its crops **straight to the demand.**

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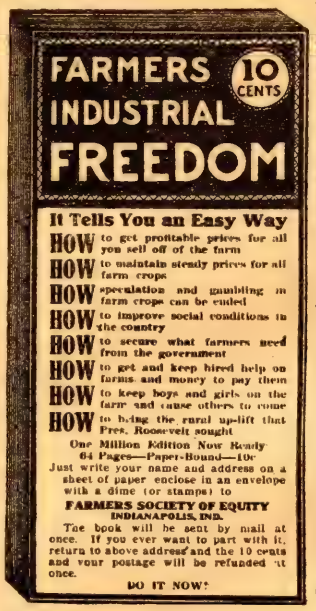
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The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
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Concentrated Wealth And Popular Government

Great Responsibility On Farmers

WE need not say that Up-to-Date Farming is not prejudiced against wealth. We hold that the rights of men are more sacred than the rights of money, but we would protect money, or property as determinedly as we would protect men. Theodore Roosevelt, in his recent Paris speech, if correctly reported, undoubtedly expressed the true relation between men and money, and defined the proper action of government concerning them:

"My position as regards the moneyed interests can be put in a very few words. In every civilized society property rights must be carefully safeguarded. Ordinarily and in the great majority of cases, human rights and property rights are fundamentally and in the long run identical. But when it clearly appears that there is a real conflict between them, human rights must have the upper hand, for property belongs to man and not man to property."

In spite of this equitable stand however, concentrated wealth, the gathering of the money of the country or of the world into few hands, may become a menace not only to the liberties of the masses but to government itself. In fact, all the popular governments of the past were swallowed up in this very whirlpool. A people that buys and sells is dependent on money as a medium of exchange and unless that money circulates freely and is obtainable by all who have anything to exchange for it on an equitable basis of values, there can be no such thing as equal opportunities. Therefore, if the money, the medium of exchange, be gathered up by a few, and be owned and controlled by that few, then that few will own and control all the property the money represents, though for their own convenience and benefit, they may permit others to still possess it.

The philosophy of this view cannot be called in question, and thus considered, concentrated wealth is becoming a menace not only to the people of the United States, but to the United States government. Government should be by the good and the great rather than by the wealthy, who may be neither good nor great. Wealth should not exclude any one from the councils of state; neither should it be the sole passport thereto. It does seem, though, that only the wealthy can get into our congress, the governing power of the nation.

Hon. Frank P. Flint, United States Senator from California, declines to be a candidate for re-election, the papers tell us, because he does not feel himself financially able to make the campaign necessary to success. He figures, so we are told, that it would cost him from $50,000 to $75,000 to make a successful campaign. He does not consider himself a man of wealth, his fortune being estimated at no more than half a million, and he says he cannot afford to give the required sum for an office that pays only $7,500 a year; or $45,000 for the entire term.

It is but fair to state, and it really strengthens our argument, that Senator Flint does not intimate that it is necessary to take money corruptly. The election machinery of the state is such that only the wealthy can make the required campaign, and he openly declares that, so far as California is concerned, " a poor man can never hope to be elected to the United States Senate."

California is evidently not alone, judging from the financial standing of Senators who come from other states. There are ninety-two senators when the Upper House is full, and of those who now occupy seats therein the following are credited with fortunes ranging from fifty millions to three millions each:

Guggenheim of Colorado	$50,000,000
Elkins of West Virginia	25,000,000
Stephenson of Wisconsin	20,000,000
Warren of Wyoming	15,000,000
Nixon of Nevada	15,000,000
Oliver of Pennsylvania	15,000,000
Crane of Massachusetts	10,000,000
Aldrich of Rhode Island	10,000,000
Wetmore of Rhode Island	10,000,000
Dupont of Delaware	8,000,000
Depew of New York	5,000,000
Hughes of Colorado	5,000,000
Kean of New Jersey	5,000,000
Newlands of Nevada	5,000,000
Lodge of Massachusetts	5,000,000
Scott of West Virginia	5,000,000
Bourne of Oregon	5,000,000
Smoot of Utah	5,000,000
Hale of Maine	3,000,000
Root of New York	3,000,000
Brandegee of Connecticut	3,000,000

Thus it will be seen that 21 Senators own $227-000,000, and besides these there are many others whose fortunes range above a million. It would be interesting to know what percentage of the money circulation of the country is represented in the Upper House of the American Congress.

And the Lower House represents accumulated wealth as well as the Upper, but not in as pronounced a degree. It is composed of more members, and they are supposed to come more direct from the people, but our election machinery has become so complex and intricate that it requires large sums of money to make successful campaigns, and those who can spend the most are most likely to win. If this is true, and it is not at all likely to be denied by those who are familiar with our party campaigns and election methods, money has an advantage over the better qualities of statesmanship even in our own government; and with wealth thus concentrated in the governing power, wealth will exercise the greater influence on legislation.

But this is not all the menace there is in concentrated wealth. Hoarders of money combine to protect each other and to add to each others' facilities for accumulation. The masses do not do that. Those who produce the wealth stand aloof from each other, refuse even to effectively co-operate, so that the wealth created by the individual, like the hare that breaks from its insufficient covering, is an easy mark for the gunner—falls naturally into the hands open to receive it. It is not a matter of wonder that millionaire combines monopolize all the more important interests of the country, and that their shrewdly arranged and well regulated systems each year add to their accumulations the wealth annually created by labor.

If this continues it can have but one ending, and that ending may be seen through present conditions. Those who create the wealth receive but modest reward; those whose lives depend upon the wealth thus created are compelled to pay prices that threaten not only poverty, but starvation. The wealth now concentrated in this country and controlled by a few persons in combination, could starve the masses of the people if it were to the interest of the combines to do so.

The courts and the lawmaking bodies must interpose to break the power of the combines and check the accumulations? That is the remedy the combines themselves propose, and they teach it to the people through the monopolistic press; and there is a surprisingly small number of papers that dare teach anything else.

The courts and the lawmaking bodies will never apply an effective remedy. Read again what is said above concerning the congress, and then consider the abortive attempts, or pretended attempts, of the courts in this very direction.

What then? Must the masses resort to anarchy and forcibly overthrow the evil systems? No; there is a remedy, a peaceful, a constitutional, a strictly legal, a moral, and patriotic remedy. It is simply equitable co-operation on the part of the people, and the application of approved business principles to the affairs of every day life. Those who create wealth are the owners of that wealth, or at least of the labor that created it. In case of farm products, the principal source of wealth creation the farmers are the owners of them; and if those who need them obtain them, the farmer must be induced to surrender possession of them.

Right here the bad system begins. Instead of waiting for the users to apply for the products and then selling them at fair and equitable prices, the farmers rush them in a pile to market, apparently striving to see who can be first to lay the result of his year's toil on the altar of Greed. Of course this system was devised, and is encouraged by the powers of wealth accumulation, that spurs the farmers to extra haste by all sorts of crop reports, official and otherwise, giving the speculative buyers the advantage of glutted markets to beat down prices, and thus widen the margin between what they pay and what they will later charge those who must have the goods or starve. As the farmers are the greatest creators of wealth, this one evil trade system opens the door to the greatest means of the concentration of wealth; and the remedy is not with the laws or the courts but with the farmers. Organize; co-operate; control the marketing of farm products. Apply the common principles of business to the business of farming, and thus effectively check the streams of money that flow into the coffers of the wealth gatherers, both from the farms and from the tables of the eaters.

Farmers must not say they cannot do that. It would belie their record. They must first wipe out the victories they have won on fields of battle; their achievements in taming forests and driving out savage beasts and savage men; what they have accomplished in the field of invention and of commerce and trade. Farmers can do it, and the responsibility is on them.

Up-to-Date

THE FARMER AND PROSPERITY

WE are not a calamity howler. Farmers ought to do well in just such times as these, and they would do so in spite of the numerous discriminations against them if they would but do business as other good business men do. If they would sell only when it pays them to sell rather than when they imagine they "have to," or when it has become a custom for them to sell, they would have the speculative buyers by the ears, and could command profits as surely as other people do. But, as we have said, in spite of all these things, farmers ought to do well.

Still there is truth in what a Southern man says of conditions in the South:

"Do you know that a small crop is caused by unfavorable weather, and costs 40 per cent. more for labor, in endeavoring by repeated ploughings to save as much as possible? Some years ago, when cotton was sold at 7 to 8 cents, mules cost $70 per head. Now they are $200. Corn sold at 50 cents then; the price is now 80 cents per bushel. Meat has doubled—in fact, everything appertaining to raising a crop has advanced. So in all Southern States outside of Georgia, North and South Carolina, the planter has, even with 15-cent cotton, made no money. Extra labor and short crops have offset high prices."

Referring to the above, Tom Watson's paper, "The Jeffersonian," says:

Nobody has seen any wave of riches sweeping over the rural districts of the three States named, either. It is reassuring to know that, everywhere, is growing a clear understanding of the fact that the "high price" of anything means nothing to the producer, so long as the combinations exist to scoop his profits and keep him, for all his apparent "prosperity," as poor, or poorer, than ever. It is simply a mad scramble—that accomplishes nothing but to afford hearty enjoyment to the Government protected monopolies.

Mr. Watson then compares the farmer to the bees who labor assidously all summer to lay up stores for a stronger power to scoop up in the Autumn:

All summer long, the industrious bees store up the honey that is to provide them with food in the time when flowers are dead, the woods are bare, and the grip of winter clutches all Nature. When the honey is gathered and stored up with the mathematical nicety and beauty the little creatures know, comes Man and robs the hive. Perhaps he leaves some store still there, so that there may be more work, more gathering, more storing up of fruitless labor next time.

The producers represent the bees among mankind, and the Trusts strip them of everything beyond the meagre living which enables them to continue their work, without which all the world, despite its money, would starve.

Mr. Watson might have continued the comparison by saying that when the man wishes to rob the bees he fills their eyes with the most villainous smoke just as the monopolistic press does the eyes of the farmers when the speculative buyers are after their products.

Milk In The East

The milk producers that supply the Boston market have determied to measure arms with the speculative buyers; but there is no contest, we wish it distinctly understood, between the producers and the consumers. As we must necessarily wait several days before the publication date of our paper, we cannot tell the result of the struggle, nor what the situation may be when the paper reaches its readers. At present, however, the contest is in an acute stage. The milk producers are organized, and those who are acting for them, seem to be both wise and determined. The producers are not asking an increased price; they are simply resisting a reduction. The price last winter was 44½ cents for an 8½ quart can, and the producers ask a continuation of that price through the summer. The price asked by the producers, it will be seen, is not quite 5¼ cents per quart, but the consumers pay the buyers about 7 cents per quart, and the proposed reduction to the producers would not make the price to consumers any less. The secretary of the organization declares: "These people (the consumers) would not get the opportunity to buy their milk for any less than they are paying now, no matter how low the price to the producers went."

That fully justifies the stand taken by the milk producers, and we agree with the secretary when he says in a circular issued to the milk men: "Gentlemen, you hold the key to the situation; you produce the milk, and everything is in your favor; if all stand together and do their duty, success is assured."

At a meeting recently held more than 80 per cent. of the Boston milk supply was represented. Those present were all large farmers, and almost to a man stated that they would stand for the winter price, even to the extent of withholding their milk from the market. "When the contractor is convinced," says the circular, "that he cannot buy for less, then you will get your price." And again: "This whole matter is in the producers' hands;it is perfectly feasible, and you can secure the maintenance of present prices if you will only stand together and act unitedly."

These are doctrines we have taught for many years. They are not only true, but they are right and practical and reasonable. What a man owns is his to keep or to sell as he feels himself warranted in doing. We are glad these New England milk producers are aroused and feel their ability to apply to their business the universally accepted rules of business. The fight before them is only a question of endurance, and we wish them success.

But how much simpler would be the proposition, and how much greater the result, were all the producers of the nation united in a common organization to secure equitable prices for all products, and give farming the position in the producing and commercial world to which it is entitled by its own importance? It is for that we have labored for years; for that we have been maligned and traduced; for that our business and our paper have been assailed. But this effort in New England proves that a doctrine unheard of a few years ago is beginning to be understood, and it will finally succeed, as certainly as that Right triumphs over Wrong.

Craze For Profits Robs Eaters

UP-TO-DATE FARMING is for equity. It censures no one for claiming just and equitable profits no matter what the business. But the craze to become milionaires that has affected so many in the monopolistic world and in high finance has worked its way down through all the avenues of trade until it has nearly upset business and made the simplest and most necessary buying and selling a means of robbery. This is the conclusion reached by Mr. R. H. Stockton of St. Louis, president of the Majestic Manufacturing Company, after a trip through Arkansas and Texas. Speaking of the one food article, rice, Mr. Stockton is reported to have said that, compared to what the producers are paid for rice, the cost to consumers is outrageous. Texas rice growers, he said, were getting 2 cents a pound for the same article that sold at retail in St. Louis for more than 10 cents a pound, a profit, baring freight, of 500 per cent.

"Raising rice," continued Mr. Stockton, "though a great industry in Texas and Arkansas, is getting to be a serious question with the producers." They are losing money on the crop, he declared, and if they cannot get more for it than they now receive, they will quit the production of it.

Mr. Stockton then took up the potato crop, and showed from letters he had received from representatives of his company in Michigan, that the growers of potatoes were getting only 8 to 9 cents per bushel, while the eaters in St. Louis were charged 65 cents and more per bushel for the same potatoes.

There should be an equitable adjustment of these prices. If the producers are paid eough consumers are charged too much; and if consumers are not charged too much producers are not paid enough. There is no escape from this conclusion; and we are uwilling to believe that farmers do not know how to bring about a proper adjustment They must do it themselves. Nobody else will. And the only way they can do it is by organization and co-operation.

Trust Busting And Food Prices

THOSE who buy their food are paying high prices for it. It is now pretty generally admitted that these high prices for food are not the result of high prices paid the farmers who produced it, because the farmers do not receive inordinately high prices, but that they are made by speculative buyers to make millionaires of those in the great combines. Hence the government is engaged in "busting the combines." Busted things are supposed to fall apart, but the combines continue as solid as a cement wall, and are still doing business at the same old stand, while the meat for dinner costs just about as much as ever. The combined packing houses protest that they are selling just as cheap as ever they can; that they are making nothing, not even interest on their money, and they wish their capital was out of business.

Things of a kind that are being busted by the government are not likely to spring up new and smilingly, and men who have money seldom invest it in a business that has no profit in it. Yet the papers very recently contained the following bit of news as a dispatch from Albany, New York:

"Sulzeberger & Sons Company, meat packers, was incorporated to-day with a capital of $32,000,000. The principal office is in New York.

Thirty-two millions makes a pretty good sized trust, and several millionaires had to combine to get that much money together. Besides they knew there was no profit in the business, for they had been told so by the other packing combines. They knew also that the government was engaged in busting just such combines. So the public must infer that that $32,000,000 crawled into a pile knowing it could add no profits to itself, and that that great combine formed for no other purpose than to see itself busted.

These are queer times, ain't they? And people do queer things in view of what the newspapers are everlastingly telling us.

Through The Wilderness

FOR four hundred years the Isralites labored under task masters in Egypt, and when the time came for their rescue, their route lay through a dreary, tiresome, and uninviting wilderness. But the promised land was reached.

For a long time the farmers have suffered under the task master of speculation. Though not laboring directly under orders, their only instruction has been to produce; to grow bigger crops, and market more quickly and more abundantly. It is true that glutted markets and oversupplied demands were much like making bricks without straw, but it was the "only way," and the schools and press could teach no other.

We believe it is time for deliverance. We do not know who will be the Moses, nor does it much matter. There is a wilderness to go through. The makers and worshippers of the golden calf of speculation, a calf that becomes so fat on glutted markets, will not yield tamely, and the farmers will be hard to tear loose from the clinging customs of many years.

But there is an awakening. There may be an Achen here and there in the camp, but the hosts are moving forward, and there is neither time nor room for going backward. Be not deceived no matter how tempting the bait offered.

THE GREAT (?) FARMERS MEETING AT ST. LOUIS

THE cleverly planned and widely advertised meeting called by the two alleged farmers societies was pulled off in St. Louis, beginning May second as scheduled.

We can now say that our advance estimate of this meeting, as printed in May first number, was correct. Noted and distinguished men were there, including the president of the United States, men who would, under normal conditions, have attracted many thousands of people from near and for. But conditions were not normal. The principals in the movement were without credit, or good repute over the country; the whole propoganda campaign was based on exaggerations and misrepresentations and there probably never was a plainer confirmation of the saying that you cannot fool many of the people all of the time, than in this meeting.

When the members of the organization saw that the meeting was being promoted by publishing the most glaring falsehoods they very properly decided to remain away. Also farmers, not members, became suspicious of the good intentions of the leaders when they read about "a new political party" and when they saw that the American Federation of Labor was one of the signers of the call and read the statement that "thousands of delegates from the A. F. of L., led by that invincible leader, Mr. Samuel Gompers, will attend" they thought it did not look very much like a call for farmers to meet in their own interests.

The promise was made that this meeting "would undoubtedy be unparalleled in attendance by any meeting in the history of America" and it was stated "the city of St. Louis can accommodate 200,000 visitors. Notwithstanding this enormous housing capacity, those who are coming should write immediately to have reserved the kind of rooms they desire so as not to be crowded when they do arrive." The meeting opened Monday with about 200 in attendance. This was increased to about 250 on Tuesday and on Wednesday, President Taft's day, about 500 farmers attended the meeting. The attendance dropped to

(Continued on page seventeen)

PRODUCTION, DEMAND AND SPECULATION

SPECULATION not only manipulates the markets so as to secure lowest prices while farmers are selling, but it destroys demand by making prices to consumers so high as to reduce consumption. Particularly is this so of commodities exported. Dispatches from Washington tell us our foreign cotton trade is in serious danger on this account. During the past year, say the dispatches, speculators have forced up prices so high as to greatly curtail the amount of cotton taken by other countries. In Russia the falling off last year was nearly one-half. In 1908 Russia required $150,000,000 worth of cotton, five-sixths of which came from the United States. Before the cotton reaches its final destination it is bought and sold several times, with excessive profits added each time, so that by the time it reaches Russia unpayable prices are put upon it, and the Russian mills cannot afford to use it. That country announces that it could use $100,000,000 worth of cotton at prices approximating what the planters receive; but as the prices are controlled now they cannot afford to buy it.

It is the same way with other products, whether used at home or sent abroad. Whenever prices get beyond the equitable level consumption is reduced and the exccess is magnified. Unless there is a demand that is able to satisfy itself there can be no sales, and prices suffer because of the untaken surplus. Speculation, buying on glutted markets and hoarding to compel unjustly high prices from consumers, is the curse of agriculture.

We do not blame Gov. Comer of Alabama, for his fight on the cotton exchange. He says these cliques in New York and other northern markets have held the planters of the south at their mercy for years.

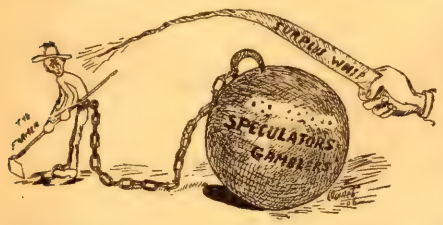
MORE PRODUCTION

THE farmers don't grow enough says Secretary Wilson. Why, then, are farm products being exported? The Secretary's own figures show that more is being produced than ever before. Even admitting as the Secretary asserts, that the farmers are now getting big prices; Mr. Wilson himself says it costs twice as much to produce as it did a few years ago.

Nothing is said of the mania for profits on the part of traders. If excessive profits charged by handlers could be eliminated, the talk of high prices would soon cease.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



THE features since our fast report are soaking rains in many sections and sufficient moisture in others to relieve the drought danger, decreases in the visible supplies of wheat, corn and oats, large advances in the prices of cash wheat and corn, moderate improvement in the price of oats, and hogs are lower.

There has been more than the average abandonment of wheat acreage, but other crops will occupy most of such land; also the late frosts caused heavy damage to fruit and vegetables, but the former loss will be repaired with the possible disadvantage of the crops coming into market a little later and it is believed there will be an average fruit crop notwithstanding the frost, but not evenly distributed over the country.

Reports of insect damage to winter wheat have been rife. This is one of the things that depends very much on the future weather whether there will be much loss or not. Reports come from the Southwest that the wheat crop promises to be a record breaker there. The general situation of the cotton crop is improved. The acreage of corn, oats and spring wheat is the largest ever planted. Old potatoes continue very low in price with no hope for improvement this season. The acreage we predict will be large this year because many holders who cannot sell them at profitable prices hope to realize more from them in the next crop. Southern early vegetables and fruit crops are reaching the markets in liberal to large volume. Prices are variable because of impossibility to properly distribute the supply to correspond with the demand.

The below records of the market tell the story:

VISIBLE SUPPLY

The visible supply of wheat in the United States, by Bhadstreet's reports, on April 30th, was 31,736,000 bushels. That was 3,790,000 bushels less than two weeks before, 2,350,000 bushels less than a year before, and 3,395,000 more than two years before.

The visible supply of corn on the same date was, 18,337,000 bushels. That was 4,649,000 bushels less than two weeks before, 11,947,000 bushels more than a year before , and 9,820,000 bushels more than two years before.

The visible supply of oats on the same date was 11,306,000 bushels. That was 3,025,000 bushels less than two weeks before, 1,395,000 bushels more than a year bef ore, and 425,000 bushels less than two years before.

The visible supply of barley on the same date was 3,799,000 bushels. That was 929,000 bushels less than two weeks before, 176,000 bushels less than a year before, and 1,550,000 bushels more than two years

The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	*April* 29, 1910	*April* 22, 1910	*April* 30, 1909
American	2,436,356	2,516,534	3,498,897
Other kinds	1,184,000	1,200,000	1,030,000
Total	3,620,356	3,716,534	4,528,897

CASH PRICES OF GRAIN

The closing prices of cash grain in the principal markets on May 7th, were as follows:

CHICAGO.—Wheat, No. 2 red, $1.05@1.17½; two weeks before, $1.10½@1.11½. Corn, No. 2 white, 66@66½c; two weeks before, 61@62c. Oats, No. 2 white, 44½@45c; two weeks before, 43@44c.

ST. LOUIS.—Wheat, No. 2 red, $1.20; two weeks before, $1.09. Corn, No. 2 white, 69@70c; two weeks before, 62½63c. Oats, No. 2 white, 45@45½c; two weeks before, 44½c.

KANASS CITY.—Wheat, No. 2 red, $1.08@1.13; two weeks before, $1.06@1.10; No. 2 hard $1.10@1.13. Corn, No. 2 white, 65c; two weeks before, 62½@63c. Oats, No. 2 white, 43@46c; two weeks before, 42@43c.

CINCINNATI.—Wheat, No. 2 red, $1.11@1.14; two weeks before, $1.09@1.12. Corn, No. 2 white, 64@64½c; two weeks before, 60½@61c. Oats, No.2 white 43@43½c; two weeks before, 43½@44c.

NEW YORK.—Wheat, No. 2 red, $1.17; two weeks before, $1.15¾. Corn, No. 2 white, 69½c; two weeks before, 63½@64c. Oats, No. 2 white, 46@48c; two weeks before, 45@48c.

MINNEAPOLIS.—Wheat, No. 1 hard spring, $1.15; two weeks before, $1.12⅞. No. 1 hard Northern, $1.13¼@1.13½; two weeks before, $1.10½@1.17.

FUTURE GRAIN PRICES

Chicago futures closed May 7th, as follows:

WHEAT.—May, $1.15, July $1.05⅝; Sept., $1.03¼; two weeks before, $1.09⅞, $1.03¼, and $1.01⅝, respectfully.

CORN.—May, 61; July, 62⅞; Sept., 63⅞; Dec., 58⅝. Two weeks before, 58⅝, 61⅞, and 63¼, respectfully.

OATS.—May, 42⅝; July, 40⅝; Sept., 38⅞. Two weeks before, 42¾, 40⅞, and 39⅜, respectfullyy.

CHICAGO PDODUCE MARKET

POTATOES.—Very little business was transacted this morning. Buyers were not anxious to trade unless they could get nice stock at 25@28c. Sales covered a range of 18c for smallWisconsins up to 28c, for nice Michigans. There were good receipts, and the arrivals are expected to continue good over next week. There is a very fair supply on hand at present.

Arrivals by cars, with comparisons, follow:

	This week.	Last week.	Last year.
Mon.	*91	62	20
Tues.	20	20	15
Wed.	35	21	10
Thurs.	33	28	18
Fri-	a59	37	13
Sat.	39	19	40
Total	277	187	116

*Including 6,000 sacks by boat.

Prices.—Minnesota, Michigan, or Wisconsin: Good to choice, 25@27c; ordinary to fair, 20@23c; poor, sprouted and small, 16@18c. The market was about 5c a bushel higher than two weeks before.

NEW POTATOES.—The market remains steady. Trade was quiet. Small, or No. 2 stock dull. Florida potatoes are uneven in quality and there is a difference in prices. Also some barrels from Louisana came faced with fine stock on top, and the balance poor. Buyers have returned such when discovery was made, and others have asked for rebates.

Price—Florida, barrels, fancy, large red, @2.25. White stock about 50 cents a barrel less.

Louisana stock about $1.00 a barrel less than Florida.

HAY.—(May 5). Receipts, 810 tons. Offerings of timothy hay only moderate with demand fair. Market steady. Prarie hay in large supply, and dull. Demand light.

Price.—Choice timothy, $17.00@17.50; No. 2 timothy, $12.50@14.00; choice Prarie, $13.50@14.00. The price was about 50 cents a ton lower than two weeks before on choice timothy, and the same on No. 2 timothy, and Prarie.

Beans.—The market has been ruling quiet lately. The only change of note was in Brown Swedish. For these the price is lower. Limas are scarce, they are steady.

Price.—Choice hand picked Pea Beans, $2.12@2.16; prime $2.10@2.12; mediums, about the same as Pea; Red Kidney, poor to choice, $3.00@3.15. The price was 5 cents a bushel higher on Pea Beans and about 20 cents a bushel higher on Red Kidneys than two weeks before.

EGGS.—Nothing new in the general situation. There is a fair business, but nothing urgent. There are enough coming to supply all demands. Buyers want Northern stock. They discriminate against the Southern and Southwestern stocks.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week. Cases.	Last week. Cases.	Last year. Cases.
Mon.	25,855	26,115	23,924
Tues.	35,112	36,963	37,477
Wed.	29,246	25,528	29,389
Thurs.	16,940	20,198	22,529
Fri.	16,977	23,162	24,763
Sat.	18,178	20,910	31,056
Total	142,308	152,876	169,138

Receipts April 1, 1910, to May 7, 1910... .....915,964 cases

Receipts April 1, 1909, to May 8, 1909... .....769,408 cases

Receipts April 1, 1908, to May 9, 1908... .....931,128 cases

Prices.—The following quotations were established by the Chicago Butter and Egg Board: Miscellaneous lots, cases included, 17@18c; ordinary firsts, 17c; prime firsts, 19½c per doz.

MISCELLANEOUS NEWS

Reports from many sections indicate that the apple crop was not damaged much by the late frosts.

The report of the American Warehouse Men's Ass'n for May 1, shows the holdings of eggs in storage to be 1,119,000 cases against 631,000 cases at the same time last year.

The unprecedented low prices of potatoes all over the country have caused great quantities to be fed to stock or allowed to spoil. It is reported that in Colorado, experts were sent out by the railroads to tell the farmers in the Platean Valley that the low prices were because of planting small potatoes in 1909, and growing inferior stock, they advised them to ulant good seed as a guarantee against low prices in the future.

Nashville, May 3.—Commissioner of Agriculture John Thompson reports that fruit was damaged slightly by the freeze. will work more good than harm. In spots damage was done to smaller fruits and vegetables. Such of the smaller crops which were hurt can be replanted, and the delay in marketing will not exceed 10 days or two weeks.

Report says that R. R. Slocum and H. E. Lamon of the Dept. of Agriculture, Washington, have been delegated to make an unbiased investigation of the egg product from the time it leaves the farm until it is consumed.

It is their purpose to go among the farms of Kansas and Misouri to see how the farmers gather their eggs; how they take them to market; what prices they get for them; the condition of the eggs when leaving the country store, and the condition of the same eggs upon arrival at the market. Experiments will be made wit hthe eggs which do not go into storage, as well as with those which do. The purpose is to educte the farmer how to produce a better grade of eggs, and, above all, to pack them Experiments will be made with the eggs before, and market them judiciously.

It is announced that the Georgia Peach Exchange will sell its peaches at auction this year. As it is estimated the peaches not under contract will be as two to one We cannot see where the advantage can come from this kind of co-operation.

A despatch from Richmond, Va., dated May 4th said: "Old potatoes are scarce and good stock sold freely at 45 cents a bushel." This goes to show that, notwithstanding many markets may be glutted there are others where farm produce is needed badly. What agriculture and the markets needs is a system that will know where the supply and demand are, and connect them.

"What a disgusted lot the poor folk of California must have been when they learned that hundreds of cases of asparagus were burned at Sacramento the other day because of over-production!" *Fruit Trade Journal.*

We wonder if it would not be the truth to lay the blame to the lack of a system to direct the supply to the demand?

The Modern Miller "crop outlook" of May 1st is as follows:

"Reports from millers in eleven winter wheat states show that the crop in practicall all of these states deteriorated during April. Drouth, with high winds in Kansas and Nebraska, ravages of Hessian fly and chinch bugs, were the damaging causes. The condition on May 1 was: Michigan, 86; Ohio, 84; Indiana, 82; Illinois, 78; Missouri, 66; Nebraska, 64; Kansas, 65; Oklahoma, 85; Texas, 88; Kentucky, 80; Tennessee, 85. Since May 1 further deterioration is reported. The abandoned area in the above states is 3,866,000 acres, the largest losses being in Kansas, with 2.168,000 acres abandoned; Nebraska, 775,000; Missouri, 341,000; Illinois, 184,000; Indiana, 165,000.

BULLETINS

Many of the bulletins issued by the Department of Agriculture at Washington and by the various State experiment stations constitute the most valuable farm literature printed. We wish our space permitted us to make liberal extracts from them, but usually it does not. But our readers can get them free by applying as below:

United States Dept. of Agriculture, Washington.—Circular No. 72, "Private Game Preserves and Their Future in the United States. Bulletins: No. 390, "Pheasant Raising in the United States; No. 393, "Habit Forming Agents—Their Indiscriminate Sale and use a Menace to the Public Welfare;" No. 395, "Sixty-Day, and Kherson Oats;" No. 394, "The Use of Windmills in Irrigation in the Semi-Arid West."

Illinois Agricultural Experiment Station, Urbana.—Circulars No. 140, "The Live Stock Situation in Illinois;" No. 122, "Eight Years Soil Investigation in Southern Illinois." Bulletins: No. 143, "Growing Tomatoes for the Early Market."

Indiana Agricultural Experiment Station, La Fayette.—Bulletin No. 140, "Hog Cholera."

Iowa Agricultural Experiment Station, Ames.—Bulletins No. 110, "Animal Husbandry, Root, and Corn Silage for Fatten-Lambs;" No. 109, "The Value of Corn, Oil Meal Cotton Seed Meal and Gluten Feed in Work-Horse Rations;" No. 112, "Do Mangels and Sugar Beets Cause Kidney and Bladder Stones?" No. 114, "Plum Varieties."

Louisana Agricultural Experiment Station, Baton Rouge.—Bulletin No. 119, "The Bean Anthracnose, Twenty-Second Annual Report of the Station."

Maine Agricultural Experiment Station, Orono.—Bulletin No. 177, "Insect Notes for 1909."

Maryland Agricultural Experiment Station, College Park.—Bulletins No. 143, "Plant Diseases and Spray Calander;" No. 144, "Apple Culture; 'The Coddling Moth'."

Michigan Agricultural Experiment Station, Agricultural College.—Buletin No. 258, "Insects of Field Crops."

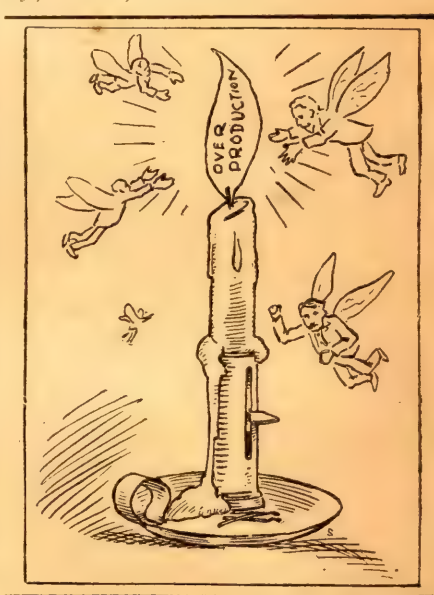
New York.—Cornell University, Ithaca.—"Reading Course for Farmers," "Horse Training." Long Island Agronomist for May 1.

Oklahoma Agricultural Experiment Station, Stillwater.—Bulletins No. 88, "The Southern Plum Aphis;" No. 87, "Corn Culture."

South Carolina Agricultural Experiment Station, Clemson College, S. C.—Bulletins: No. 149, "Fall and Wnter Cabbage;" No. 148, Experiments With Hybrid Cottons."

Utah Agricultural Experiment Station, Ogden.—Bulletin No. 107, "Improvement of Utah Horses."

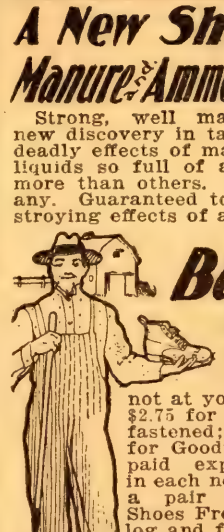
Wyoming Agricultural Experiment Station, Laramie.—Bulletins No. 83, "Barley;" No. 84, "Field Peas."





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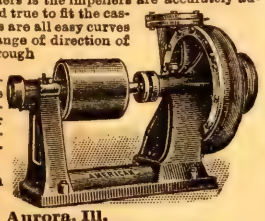
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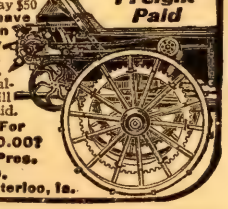
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You may plow and harrow
Today and tomorrow,
You may plow till your hair turns gray.
But if your seed isn't strong
You've started wrong.
"You can't raise corn that way."

If your seed isn't right,
Whether yellow or white,
You're planting seed that won't pay;
You may till your land
Till it is as mellow as sand,
"But you can't raise corn that way."

From stalks long and tall
Select your seed in the fall,
Don't depend on the crib next May;
Crib corn may grow,
But it's so awful slow,
"That you can't raise corn that way."

Test every ear
You plant this year;
Now listen and mark what I say:
Plant perfect seed,
Kill every weed,
You can always raise corn that way.
—*Exchange.*

THE PRODUCTION OF CORN

THE greatest weakness in the average corn grower's methods is his work before planting. Should the ground be plowed deep or only medium? That depends upon the time, the land, and the work to be done between the planting and the breaking.

If the fertile soil is shallow the land should not be broken deep, unless the breaking be done in the fall. We are an advocate of deep plowing. Land will become arable or tillable, productive, as deep as it is stirred, but conditions must fit deep plowing. If thin soil is broken deep and then turned no more until it is planted, the seed goes into the poorer soil brought to the top, and the plant will be at a disadvantage through the entire period of its growth and maturity. The same land plowed deep in the fall, however, may be greatly benefitted. The infertile soil brought from below, gets the fertilizing effect of frost and air, while the better soil previously stirred, goes below it, and has the advantage of repose in darkness, unabling it to fully prepare whatever humus it may contain so that it can again come to the surface with newness of life.

As planting time approaches, land so plowed in the fall should be broken again, bringing as above intimated, the better soil once more to the surface, here it will again constitute the seed bed, and be ready to do its best. Only the deepest soil should be plowed deep in the spring. Or if ordinary soil be plowed deep it should be harrowed, rolled, dragged, or in some way thorougly packed, and then allowed to lie some days, to take at least one rain if convenient, and again turned and worked down again. Disking under such conditions is not enough. The disk leaves the thin bottom soil on top.

Never plant until the land is in good condition to receive the seed. It pays to make a good seed bed; it does not pay to plant without. And then know that you are planting good seed. We need not now urge the difference there is in seed corn. All plants were created to produce seed each after its kind. Corn will not only produce corn, but inferior corn will produce inferior corn. Plant the best and raise the best. Another thought: It is no use to cultivate ground that is producing nothing. Every missing hill is wasted. At gathering time no ear will go into the wagon from where no stalk grew. See to it that there is a good stand. We think it pays to replant, if there be not to great a difference in time between the original planting and the replanting.

On the other hand, corn may be too thick. We believe, however, on good land it is oftener too thin than too thick, but the very best soil has its limit and corn cannot do well where its own foilage excludes the sunlight, The old practice of thinning is not a bad one. The idea of a proper average is not good—the thin places evened up by thick places elsewhere. The thin places have not stalks to produce what the soil is capable of doing, and the thick places are weakened by excessive drafts on the fertility and by too much shadow.

Do not wait too long to begin cultivation. Judicious light harrowing is a splendid operation, and may be begun even before the corn is up and continued until the plants are three to six inches high. Germinating weed seeds are thus disturbed and destroyed, and crusts so likely to form on the surface are kept broken up.

The first plowing, if early enough, may be deep and close to the corn, but in that case there should not be too long a delay in throwing the dirt back again. After this first plowing, cultivation should be shallow. Corn feeds near the surface, and the roots are very spreading. To disturb these is to injure the corn. The dryer the season the more the ground needs to be stirred, as frequent stirring seems to conserve the moisture. But after rains followed by hot, dry weather, stirring is especially needed to break up the surface crust that is so likely to form, especially on land not rich in humus, and those crusts are disastrous to the growing corn.

The last act, and that for which everything else is done, is the marketing. How about that? Are you going to join your neighbors in a rush to a glutted market? It is not wise to do that. You worked hard to produce that corn and it is yours. Whether you determine the price or not, you can determine whether or not you will accept it. Prices are always low when markets are gutted, and markets are always glutted when everybody is rushing to sell. You were wise in plowing , planting, and cultivating; be wise in selling.

"THE BEST JOB"

AN old barn stood a little distance from the home grounds, and barn and lot in regular use. This had been a genuine stock and sheep barn for years, and the manure accumulation all around it was enormous. The farm had been managed in the ordinary way, and the manure thus accumulating had not been made use of. It had, therefore, become well rotted; in fact was simply rich soil, full of humus and the important elements of fertility.

It had remained so long on the ground, how could it be separated from the original dirt and taken up? This Spring it was determined to try the solution of this problem. Choosing a time when the ground was fairly wet, it was found that the manure was loose and light, and that the place between it and the original soil was clearly defined. There had been no union between the two and to gather up the manure was only a question of light work with a shovel. The rank growth of weeds that had sprung up in it, went into the piles with the manure, and being so tender and sappy were rotted in a very few days, and were ready with the other to be spread on the cultivated land. Not a few tons of the very best fertiity was thus gathered up—fertility that would have cost many dollars if purchased, and would then have been without the much needed humus so abundant in that which had been gathered about the old barn. And the grounds surrounding the building looked much better afterwards; looked like an old fashioned threshing floor. The rank weeds were destroyed and much that was unsightly was removed. An up-to-date progressive farmer, who passed about the time the work was completed, gave the heading for this article: "That is the best job I ever saw!"

We have given an account of this little bit of farm work not because of any special interest it may in itself possess; but because, to our own personal knowledge, there are old barns on other farms that stand in the midst of just such a mine of wealth. Their owners do not appreciate the quality and value of the manure, or they do not know how easy it is to take it up. To such we commend the incident as furnishing a valuable lesson.

—WORKS BOTH WAYS—

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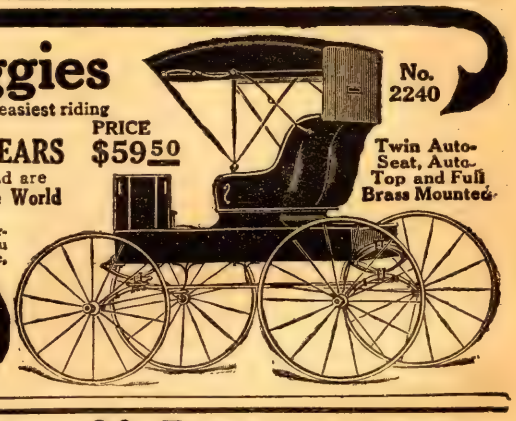
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THE APRIL STORM

SELDOM has so destructive a storm as that of April 23 and 24 swept over so wide a section of the United States. In many places the snow Sunday morning, April 24, was from six to seven inches deep on the level, and the contrast with the green leaves of the trees was wonderful. Pictures of home scenes could have been made that may never be duplicated. Colder weather has been experienced in the season, but never, we presume, with vegetation, and tree foliage so far advanced. March encouraged growth as seldom if ever before, and so far as the advancement of the season was concerned, April 24 well corresponded with the usual conditions of a month later.

Reports of serious damage estimated by some as aggregating $50,000,000. The following estimate of damages in the states and sectoins named is taken from the daily papers:

Illinois	$ 6,000,000
Indiana	5,000,000
Iowa	8,000,000
Ohio	1,000,000
Tennessee	1,000,000
Northwest	7,000,000
Wisconsin	3,000,000
Michigan	10,000,000
Nebraska	2,000,000
Kansas	5,000,000
South	2,000,000
Total	$50,000,000

We do not believe the losses are so great. In fact, later reports tend to reduce them, as is usually the case. Still the damage resulting from the storm is serious. The damage to fruit cannot even yet be fully known. Apples that may be so affected as to be worth little should they mature. Truck growers and gardeners were serious sufferers, but there is still time for these to partially recoup their losses, though their hopes for an early market are blasted. We think it will be found that crops are not seriously damaged. Harder freezing, of course, would have ruined the winter wheat in its advanced stage of growth, but not a great deal of corn was planted, and but little of what was planted was up; and there was plenty of time to plant over what was ruined. But as we are writing for readers in the middle of May, much more will be known of actual results then than can be known now.

As was expected, speculators hastened to seize the advantage the reports of damage gave them. While the prices of the main crops took no special rise, those of vegetables in the city markets did, in many cases going up from 30 to 50 per cent. And the articles sold at these advanced prices, bought before the storm, cost no more than when they sold for the corresponding percentage less. This proves that in making selling prices, greed does not satisfy itself but stops only at what is supposed to be the limit of forcing sales. So soon as opportunity comes the price is rushed to the new limit created by calamity.

PLANT IN STRAIGHT ROWS

MOST people have an eye for the beautiful and a mental make up to enjoy it wherever it is seen. We always have been an admirer of straight rows, whether in the garden, the orchard or the field, and both convenience and profit are on their side. We know it is often said that more stuff grows in crooked rows than in straight ones, but that is true only because there are more crooked rows than straight ones. We regret that so many farmers are careless of whether their rows be straight or crooked.

Modern implements, however, tend to straighten the rows. It is easier to plant straight rows with a two-horse planter or drill than it is to lay off or drill with a single horse, and the two-horse cultivator or disk demonstrates the practical importance of straight rows, while the riding cultivator proves their necessity. When a goodly portion of the hills in a row have been uprooted the farmer begins to believe in straight rows.

DEAD FURROWS AND DITCHES

THE dead furrow is a problem for thoughtful farmers. Many a field has been ruined by them; and farmers who are not thoughtful, break the land the same way year after year, leaving the dead furrows in the same place, with the result that the field is soon a series of elevations and depressions running its entire length. Another result is that the richest soil is thrown up on the ridges, while the low places become very poor.

Again, when a ditch passes through a field, the almost universal practice is to plow parallel with the ditch, and as close to it as possible, throwing the dirt toward it. After a few breakings thus the banks of the ditch become the highest ground in the field, and the surface water, unable to get into it must remain on the ground or find some other means of escape. After that, the ditch is of no other use than to carry water from the outside across the field.

On the other hand, if the practice is to backfurrow, the last furrow being the nearest one to the ditch, with the dirt thrown from it, a strip of unstirred earth is left on each side, with an open furrow next to it, and soon there are three ditches instead of one.

There are here presented problems that must have earnest thought if they be wisely solved.

"WHAT SHALL WE DO TO BE FED?"

The following paragraphs are from James J. Hill in World's Work:

The farm is the basis of all industry.

For many years this country has made the mistake of unduly assisting manufacture, commerce and other activities that centers in the cities at the expense of the farm.

The greater number of prosperous farmers, the greater will be the prosperity of every business man.

There is scarcely a limit, at least none has yet been reached by the most intensive cultivation, to the value which an acre of ground may be made to produce.

The farmers of the nation must save it in the future as they built its greatness in the past.

The man on the farm must be considered first in all our policies, because he is the keystone of the national arch.

There can be no greater aid toward the maintenance of a prosperous, free and enlightened nation than the inculcation of the precept, "keep the children on the farm.

PROBABLE WHEAT SHORTAGE IN KANSAS

LAST year Kansas produced 81,000,000 bushels of wheat on 6,384,000 acres. Last fall 6,477,000 acres were seeded to wheat, but F. D. Coburn, secretary of the State Board of Agriculture, reports that 2,000,000 acres of this sowing has been abandoned, and will be seeded to other crops. This brings the present acreage 1,907,000 acres less than the acreage of last year. The estimated production of the present crop is 65,000,000, a shortage of 16,000,000 bushels.

HOW TO GET THE MOST MONEY FROM YOUR HAY CROP

There is scarcely any need of suggesting to our readers that baling hay very greatly increases the profit to be derived from marketing the hay, or alfalfa crop and that this profit is made still larger by the use of a durable, simple, economical press of large capacity. It is well worth while for any farmer who is marketing his hay crop to write for the illustrated catalog describing the new model all steel Hay Press made by the Whitman Agricultural Co., 6902 S. Broadway, St. Louis, Mo., whose advertisement appears on another page of this issue. This well known firm has built up a wonderful reputation for their "Steel Beauty" Hay Press as a money maker for the ren on the farm."

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Yet costs no more than the ordinary kind

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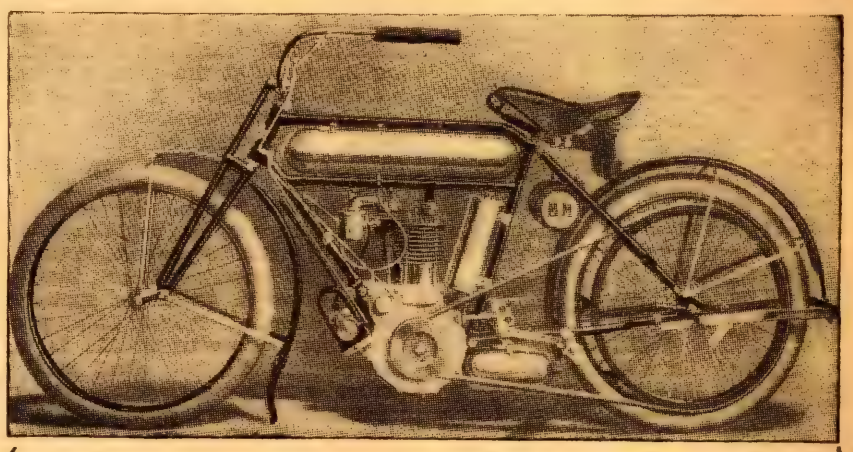
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To introduce Grains Safety Quick Shaver in your locality, we offer to every reader of this paper the complete $5.00 outfit for almost nothing. Send us only **ninety-seven cents** AT ONCE and we will promptly send you, entirely prepaid, the Grains Safety Quick Shaver Outfit, complete. Including the high-polish, silver Blade Retainer, Stropper Handle and Holder and a full set of blades all in a fine leather finished case, as handsome an outfit as money can put up. Remember this Special Advertising Offer is for a short time only.

Send TODAY. Shave yourself TOMORROW and every day with a Grains Safety Quick Shaver that does not Cut, Scrape or Mar the face. A razor that is sold at a price withfn the reach of all.

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That is just exactly what we mean, FREE. This is one of the newest and latest model 4 H. P. Motorcycles. It is a powerful machine, with wonderful speed, and very comfortable and easy riding. The seat gives no jolts or jars. It will negotiate the steepest hill, has a quiet, simply constructed motor, that any one can operate. It has 26 inch wheels, low frame, so that the feet reach the ground if necessary, leaf springs on front fork (see cut), beautiful finish. The best value in Motorcycles on the market today. It will require but a few moments of your spare time to secure this wonderful machine FREE. Our plan is new and novel

Send Your Name Today and by return mail we will tell you all about our plan. You will be surprised to see how we are actually giving these machines away. We do not ask you to work and earn one. Our plan is something altogether different. Novel, unique. Write today

USE THE COUPON

Think what it means for you to be able to travel 20 miles in an hour over any and all kinds of roads and hills. You can go much faster than that if you desire. The machine is a beauty and one of the very best ever made. The engine is quiet and powerful. Be quick—don't delay—use the coupon.

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Gentlemen. I should like to have you send me full particulars regarding your Motorcycle proposition, telling me how to secure it FREE.

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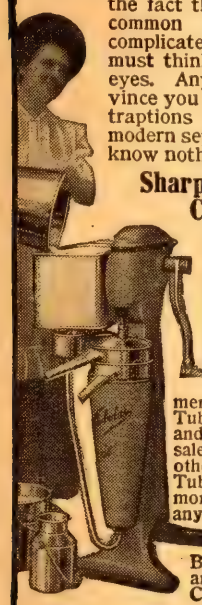
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THEY THINK You Don't Know

Any one who thinks he can hide from you the fact that disk-filled or other common cream separators are complicated and hardest to clean must think you never use your eyes. Any one who tries to convince you that disks or other contraptions are necessary in a modern separator must think you know nothing of facts.



Sharples Dairy Tubular Cream Separators

have neither disks nor other contraptions, yet produce at least twice the skimming force, skim at least twice as clean, wash many times easier, and wear a good many years longer than common, complicated separators.

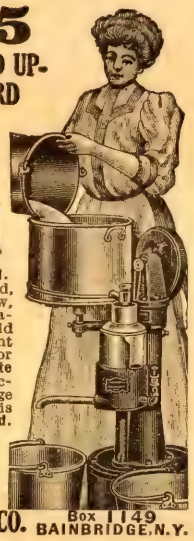
That is why farmers all over the world call Tubulars "The World's Best," and it explains why Tubular sales exceed most, if not all, others combined and why Tubulars probably replace more common separators than any one maker of such machines sells. World's biggest separator works. Branch factories in Canada and Germany. Write for Catalogue No. 136

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$15.95 AND UPWARD



AMERICAN SEPARATOR

THIS OFFER IS NO CATCH. It is a solid proposition to send, on trial, fully guaranteed, a new, well made, easy running separator for $15.95. Skims hot or cold milk; making heavy or light cream. Designed, especially for small dairies, hotels and private families, different from this picture which illustrates our large capacity machines. The bowl is a sanitary marvel, easily cleaned. Gears thoroughly protected. Western Orders filled from Western points. Whether your dairy is large or small write us and obtain our handsome free catalog. Address:

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Save $25 to $50 direct at my factory price—freight prepaid. Get the only Separator that runs in "Bath of Oil," like a $5,000 automobile. This alone is worth $50 extra, but costs you nothing extra. Take

90 Days' Farm Test—Freight Prepaid

Why pay $85 to $110 to dealers or agents who cannot sell you a separator equal to the Galloway—closest skimmer—easiest run—easiest cleaned—10-yr. guarantee. Send for BOOK FREE

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200 to 900 lbs. capacity.

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Contains 15 to 18 percent protein, 6 percent fat. Three times more protein than corn; 50 percent more than wheat bran.

It's an excellent milk producing feed; a flesh producer for steers and sheep.

It's cheaper than bran. Costs $10.00 to $15.00 ton less than oil meal.

E. A. Stevenson, of Detroit, who fed one carload of Cuddomeal last year and has bought two carloads so far this season, says "excellent results are obtained from feeding Cuddomeal both to milk cows and to growing steers."

A. E. Pierce, of Tecumseh, Mich., a sheep feeder who tried one ton in October, then bought a full carload, says, "Cuddomeal is a satisfactory sheep feed."

INVESTIGATE. Try it, Feed one ton, then you will buy more."

Price, $23.00 F. O. B. Chicago or $25.00 freight prepaid to any town in Michigan, Ohio, Indiana, Wisconsin and Illinois.

Mail Check or Money Order for sample ton.

THE BARTLETT COMPANY
Cotton Seed Products
STOCK YARDS CHICAGO

UP TO DATE LIVE STOCK AND DAIRYING

MAKING PORK

PORK has become such an important farm product that any information on the subject of pork production must be acceptable and valuable at any season. The Ohio agricultual experiment station last year published the result of some interesting pig feeding experiments. It is generally conceded that the more pigs can be induced to eat of nutritious feed the greater will be the growth. The experiments covered a period of 66 days, and pigs fed corn meal alone consumed 3.53 pounds per day. Those fed corn meal and soy bean meal in the proportion of four parts corn to one part soy bean meal, consumed 4.60 pounds per day. Those fed corn meal and midlings half and half consumed 5.27 pounds per day. Those fed corn meal and tankage in the proportion of six to one consumed 5.80 pounds per day. Those fed corn meal and skimmilk in the proportion of one to three consumed 5.86 pounds of corn meal and 16.28 pounds skim-milk per day. It will be noted that those having the skim-milk consumed even more of the dry fed, corn meal alone, than any of the other combined feeds.

The results were that those fed the corn meal alone gained a little more than half a pound (.57) per day; those fed corn meal and soy bean meal gained a fraction (1.057) more than a pound a day; those fed corn meal and middlings gained a pound and a quarter a day; those fed corn meal and tankage gained more than a pound and a half (1.612) a day; while those fed corn meal and skim milk gained nearly two pounds and a qarter; the pigs (they were thrifty shoats) fed on corn meal alone made the least gain, and those fed on corn meal in connection with skimmilk made much the greatest gain.

To make it still plainer, the station gives the full result in values, estimating the feeds at the current prices at the time and place. It required 617.7 pounds of corn meal, worth $6.18 to make 100 pounds of gain. It took 427.9 pounds of corn meal and soy bean meal, worth $4.71, to make 100 pounds of gain. It took 421.61 pounds corn meal and middlings, worth $5.06, to make 100 pounds of gain. It took 360.2 pounds of corn meal and tankage, worth $4.12, to make 100 pounds of gain. It took 289.9 pounds of skimmilk, worth $4.11, to make 100 pounds of gain. Corn meal and skimmilk made the cheapest pork, corn meal and tankage coming in a very close second. That made by corn meal alone was much the dearest. This should be a lesson to farmers who are so much inclined to feed corn alone, and also to such as can make skimmilk available.

THOUGHTFUL SUGGESTIONS

THE milk left in the butter is the cause of the butter becoming rancid; and the more thoroughly butter is worked, other things being equal, the longer it will keep fresh. It is well known that that some women's butter will keep longer than that of others, and that is an almost invariable test of the different habits of the different women regarding the one process of washing the butter. Some recommend taking up the butter before it has fully gathered so that it may be washed in smaller lumps, as in that way the milk may be more easily washed out. When the butter is all in one large lump it is difficult to reach the inside of it with the water, hence the milk in the interior remains there and the butter soon becomes rancid. If the butter is taken up too soon, however, there is a probability that unseparated butter fat may be left in the milk, as wasteful a practice as imperfect washing is objectionable. We prefer churning until the butter is fully gathered, and then treating it to thorough and careful washing, so manipulating it as to get the water to all parts of the lump.

A cow with her first calf is likely to be longer reaching her fullest and best flow of milk than an older cow. The reason is obvious, and it is best that she be not put on full feed until she reaches her full flow. The young cow should also have careful training, and be brought into regular habits of milking, and be fed and milked so as to induce the very best results. Her future usefulness depends largely upon her treatment during her first milking period.

In spite of the fact that live stock of all kinds is scarce, and high in price, the farmer who feeds stock without figuring may pour out greater values than he gathers in. At present prices the use of feeds without estimating their worth is a little hazardous. However stock on pasture is a safe proposition; and if the fertility that is one of the natural incidents of keeping stock is made proper use of, stock on the farm will be found next thing to a necessity.

There is risk of course in growing and feeding animals, says an exchange, but when we come to consider the great value of the animals in maintaininng the fertility of the farm on which they are kept, the chances of loss are not so great as the chances for gain through the manure they produce.

Dehorning is now almost universally practiced, and it is only a question of when and how. It seems cruel to saw off large horns, and it often makes troublesome sores that hinder the growth, and impair the usefulness of the animals. Yet we believe the advantage of having animals without horns justifies even that operation. But there is a better way. It is easy to destroy the horns of a calf. Before the horns started to grow, but when the horn button may be easly felt beneath the skin—the younger the calf the better—wet the end of a stick of caustic soda and with the moistened chemical thoroughly anoint the place where the horn is to grow. If well done a single application will be sufficient, and it causes very little suffering and no sores.

We must once more urge farmers as well as dairymen to keep no cows for milk purposes but good ones. Feed and pastures, saying nothing of time, are too valuable to waste on inferior animals. Farming has reached a stage in this country where specializing is necessary. Everything must be adapted to the purpose for which it is intended. If a cow is kept for milk and butter she must be a milk and butter cow; if for calves to grow into beef animals she must be adapted to that. So of everything else, even including the use of land and the growing of crops. Each must be adapted to its purpose and should be the best available for that purpose.

In spite of the treatment given farm made butter by dealers, it ought to be the pride of the farm folks to make good butter. It is impossible to do that out of any but good cream. Cream that has an off flavor will not make good butter. The off flavor may be acquired by the eating of bad feed or flavor conveying growths in the pasture; or by keeping the cream too long and in places where it may absorb bad odors; or by the use of the milk vessels for other purposes and not

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The New 1910 Model
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Is emphatically the BEST and the only one for YOU to buy.



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MOON BLINDNESS and all Diseases of the Eye successfully treated with this NEW REMEDY.

Money Back if it fails to cure. $2.00 per bottle postpaid on receipt of price,

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ABSORBINE



will reduce inflamed, swollen Joints, Bruises, Soft Bunches, Cure Boils, Fistula or any unhealthy sore quickly; pleasant to use; does not blister under bandage or remove the hair, and you can work the horse. $2 per bottle, delivered. Book 7 E free.

ABSORBINE, JR., for mankind, $1 and $2 per bottle. Reduces Varicose Veins, Varicocele, Hydrocele, Goitre, Wens, Strains, Bruises, stops Pain and Inflammation. Your druggist can supply and give reference. Will tell you more if you write. Manufactured only by

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The Standard Veterinary Remedy. 20 years sale. Send for booklet.

SAFE TO USE



BEST CONDITIONER

Makes the horse sound, stay sound

DEATH TO HEAVES

The first or second $1.00 can cures. The third can is guaranteed to cure or money refunded.

$1.00 per can at dealers, or express prepaid.

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Dont Paint Your Roofs



Use Amatite ROOFING

TWO layers of Coal Tar Pitch rolled between two layers of the best grade of waterproofed felt with a top layer of real mineral matter, form Amatite Roofing.

You don't have to coat it or paint it after you lay it. It is there to give protection without further attention.

Amatite is made in convenient rolls ready to be laid on the roof.

Anyone can do the job.

Free sample and booklet sent for the asking. Address nearest office.

BARRETT MANUFACTURING CO.
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TRADE B MARK

cleaning them sufficiently afterwards. Cream and butter are the greatest absorbers of odors and the most persistent retainers of flavors. Making good butter is really a delicate operation.

It don't pay to cook corn for hogs. Nor do we believe it pays to shell it. Hogs seem to like to eat off the ear. Farmers though, in feeding ear corn are apt to throw it in the pen, need or no need, whereas if it is shelled, ground or cooked they likely prepare a place to feed it. That makes a difference .

A MISTAKE ABOUT SHEEP

IT is often argued that sheep should be kept by farmers because they live in lean pastures, and are so useful in ridding the fields of weeds, getting much of their living from what other stock will not eat and that the farm is much better rid of. That is all true, but that should not be the main reason for keeping sheep. In fact, weed destruction should be only an incident. The value of the sheep is in wool, lambs and mutton. To do their best in these lines, sheep need and should have as good treatment as other domestic animals. Sheep may live on pastures that would not sustain horses or cattle, but they will not do their best on such pastures. They may eat and thus destroy weeds, and even sprouts and brambles, that other stock would not touch, but such growths do not make their best feed. This quality of the sheep should be considered a side line, a valuable one it is true, as their well distributed manure is, but when sheep are kept for that purpose mainly, and are treated accordingly, a mistake is made, and the best there is in sheep is not realized. No animal responds more readily to good treatment than the sheep, and none makes better returns for suitable and liberal feed. If sheep do well in an old field that has ceased to be useful as a pasture, they will do better where there is abundant and rich forage. Use the sheep as scavengers, but be sure they do not go hungry.

LARGE HORSES PREFERABLE

LARGE work horses are preferable both on the farm and in the market. The trim roadster is not in demand as formerly, and the driver and coach, once the favorite in the cities, and still commanding high prices, is being crowded by the automobile.

On the farms it is different. Farms, it is true, are being cut up and made smaller and the gasolene engine is supplying much farm power; even the auto is making its way into the rural districts; still the farm wants the heavy horse; as does also the city market. The Belgians, Shires, Clydesdales, and Percherons are always in demand, and young horses of these breeds command almost fabulous prices.

Many farmers stand back from growing good grade draft colts because of high price stallion fees. It is true that service fees from pure draft stallions are high, but considering the cost of the animals, and the high qualities in them which they are able to transmit to their foals, the price after all is not out of reason. In the end it is a sound investment for the farmer who has mares to breed or who can secure them for work and breeding purposes.

FORTUNES LOST BY LITTLES

HOW many pigs are lost for just a little lack of care at farrowing time? Do you suppose it would average one to the farm a year? Do you realize what that means? Take Iowa, for instance. We mention that state because the figures happen to be just now before us. There are 209,000 farms in Iowa. Lose one pig on each farm and a fortune is gone. It is up to every farmer to take a little better care of things, not of pigs only, but of everything else.

RUNTS AMONG THE PIGS

NOBODY likes runts, yet they will appear sometimes in any flock. There is generally a cause for them. In some cases the cause is prenatal, and that is difficult to overcome, but even that kind of a runt may be greatly improved. Most runts, however, are made so by lack of nourishment or by bad treatment. It is generally understood that each pig has a special nipple from which to draw its food supply; but if that is so the ownership is not always respected. The stronger fellows sometimes crowd out the weaker ones, and if there are not enough desirable places in the bed for all, the weaker ones will get the most undesirable places. Pigs are quite human. Watch the pigs a little and see if this is not the treatment the runts get.

The fact suggests the remedy. Supply what they lack in feed and good treatment. We have seen the runts of the flock outstrip the best by managing to give them special nourishment and making them comfortable.

WINTER FEED FOR COWS

OF course the farmer must prepare, or at least make his plans for his winter feed in summer. Timothy hay is not good feed for cows. Red top we believe a little better, but nothing to brag about. Either of these hays threshed we believe are a little better than unthreshed. Nicely cured corn fodder is pretty good roughness for cows. Corn fodder shredded is the best form in which it can be fed. Millet is not good. Straw has but little nutrition, and is not much relied on any more. Cowpea hay, clover hay, or alfalfa are the best rough feed a milch cow can have, and with an abundance of any one of these the corn ration may be greatly reduced.

JUST WHAT YOU NEED

Read what E. G. Bean of Williamsburg, Ia., had to say about ABSORBINE. "I can highly recommend your ABSORBINE. My horse had a lump on the side of its neck and behind the jaw. The lump was as large as the crown of a hat. After I had used about half of the bottle, the lump broke open and run for a while, then a core came out of it like a chicken's heart. Then the lump went down and is now all right." Wind Puffs, Strains, Sprains, Bursitis, Bog Spavin, Capped Hock, Swollen Tendons are promptly reduced by the use of this valuable remedy. If your druggist cannot supply you, send $2.00 for a bottle, charges prepaid. W. F. Young, P. D. E., 102 Temple Street, Springfield, Mass.

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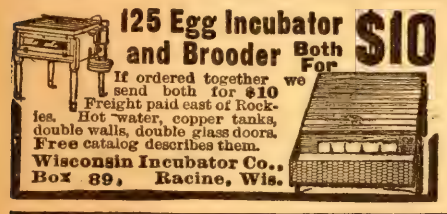
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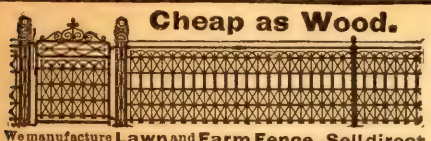
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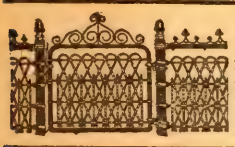
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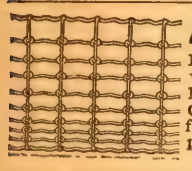
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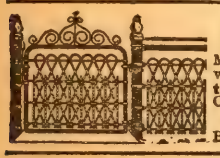
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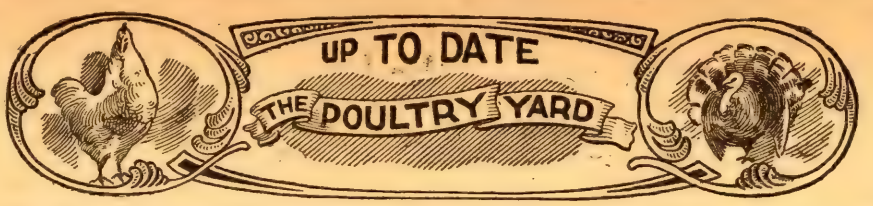
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Canada's best is South Alberta. Rich soil, free homesteads, cheap farms, at $8.00 per A. Partner wanted in general store. Information, 4c stamps. Address REV. H. ARNDT, or REV. A. MACLAREN, WALSH, ALTA.

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What J. J. Hill, the Great Railroad Magnate, Says About Its Wheat-Producing Power:
"The greatest need of this country (United States) in another generation or two will be the providing of homes for its people and producing sufficient for them. The days of our prominence as a wheat exporting country are gone. Canada is to be the great wheat country." J. J. HILL.
This great railroad magnate is taking advantage of the situation by extensive railway building to the wheat fields of Western Canada. Upwards of
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SELL TO SPECIAL CUSTOMERS

A WRITER in one of our exchanges, who knows what he says and speaks very emphatically, declares that any poultry raiser that has one or more cases of eggs a week can get from 20 to 40 per cent more for them by having special customers—a hotel, groceryman, eating house bakery, or dining cars on a train, and supplying them regularly and without fail. Put the eggs up, he says, in cartons holding a dozen each, and be sure they are fresh and clean. He continues:

"A trade can be worked up with any city groceryman that caters to the highclass trade, or it can be done direct with the concerns mentioned. I know whereof I speak about these things. I know of a number who are doing it. I know of a single baking company that handles 10 cars of eggs a month in pretty much the same way. I know of parties who are making a nice thing out of it, and there is plenty of room left. There is nothing that we eat, that goes on the market in such a haphazard, filthy condition as the poultry and eggs."

DON'T FEED TOO SOON NOR TOO MUCH

FANNIE M. Wood of Indiana, gives this good advice that applies as well to the hen's own brood as to the product of the incubator:

When a nice bunch of incubator chicks arrive we feel so good over them and it is such a pleasure to see them eat that we feed them too soon and too much. The first few days, warmth is of more importance than food. Watch a good mother hen how well she broods her babies the first few days. If a chick gets away she calls it back never stirring from her position, and she is in no hurry to feed them. Feeding too much the first ten days has killed many a promising bunch of brooder chicks.

DUST AND CHICKEN LICE

Says a poultry writer:

Dust is fatal to almost all insects, particularly the soft-bodies ones. The fowls should, therefore, be provided with a dust bath at all times, as this is the method nature has given them of keeping at bay their insect enemies. Dry and finely pulverized earth of any kind, also coal ashes from which the cinders have been sifted, may be used for the dust bath. Wood ashes should never be used, as the alkali in them is likely to injure the feathers.

CARE OF YOUNG CHICKS

By MRS. J. B. HOWE

This is the season when poultrymen and women are sowing the seed, figuratively speaking, for the harvest that is to come by and by, and it is vastly amusing, although a serious matter, to see the advice set forth in some of the poultry columns of many of our farm journals.

One woman declares that soft feed is best for young chicks and ducklings, "because it is all ready to be taken into the digestion." Now, why did the Creator give the young chick a gizzard, and teach it to pick up tiny pebbles with which to grind its food, if it is better to give the food softened? The fact is, there is far less mortality among chicks if the greater part of their feed is fed dry. A long-continued use of soft feed alone brings on a train of disorders which a post mortem will disclose. Flabby gizzard, pale liver, and unhealthful looking intestines will be disclosed. Nothing is better for young chicks than a good grade of commercial chick feed. Sand should always be liberally sprinkled on the floor of the coop or brooder in order that the young chicks can "pick up its teeth" at once.

Another poultryman asserts that "no cornmeal should be fed to young chicks, as it is grating on the chicks' intestines." We admit that cornmeal, except in very small quantities—as is found in all prepared chick foods—is not the best food. It is of too heating a nature, and tends to produce fat instead of muscle and bone, which is the objection rather than the one advanced.

Steel cut oatmeal is an admirable feed; we prefer it to bread crumbs. For a few days we feed it—mixed with hard-boiled egg, crumbled fine, and slightly salted—alternating with the chick feed. Fresh water, in galvanized iron drinking fountains, is given at once, and kept constantly where they can help themselves.

When the chicks are a few days old, we begin to gradually introduce a feed of our own mixing. It is made in the following proportions: Shorts, 1 quart; bran, 2 quarts; ground corn, 1 quart; ground wheat, 1 quart; beef scrap, 1 quart, and either 1 quart of ground oats or the same of ground sunflower seed; ground clover, 2 quarts. These ingredients we thoroughly mix in a dry state, and keep in a sack or jar, taking a small quantity—not more than enough for one day's feeding—slightly salting it, usually adding a little ground or pounded charcoal, and scalding the mess with milk or water. It is better to stand a while and cool, so that it is not sticky—just crumbly. Mind you, we do not confine the chicks to this mash, but alternate the feeds with whole wheat and popcorn or cracked corn. The object is to give variety.

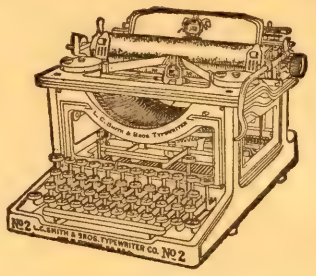
This formula we find to fill the bill and the chicks thrive and grow splendidly. Another woman puts jugs of warm water in the coops with her hen, to assist her in keeping the chicks warm. But this is entirely unnecessary if the hen has anything like a decent shelter. Better spend a little energy in making rain-proof and rat-proof coops, with of course some provision for ventilation, and the old hen will do the rest. When the weather is very cold, too many chicks should not be given to one hen.

There is not much danger of vermin this early in the season, if the setting hens are properly dusted with insect powder when set and once during incubation.

It is not well to keep the mother hen confined too long. She should be let out in a suitable place where she can scratch and dust and keep herself free from vermin, and teach the chicks to do the same.

Let there be as little as possible of the artificial, even in rearing incubator-hatched chicks. Seek to imitate old mother Nature, simply supplying a little of our human intellect to aid the old hen's instinct.

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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

AS YOU VIEW IT

I wish I could know just how my readers view the work of this department? HAS IT BEEN OF REAL SERVICE TO YOU? Do you feel that **this Department alone is worth the small price charged** for the paper? **Will your garden be better** this coming season for having read this Department monthly? If so, will it not be **a pleasure** as well as **a duty** to send in a subscriber at 50c for two years or embrace any of the offers our editor makes from time to time? Today is a good time to get them.

Sincerely,
SAMUEL ARMSTRONG HAMILTON, Garden Editor.

THE VEGETABLE GARDEN

In all but the extreme north the vegetable gardens will be well under way by the time this appears to my readars; in fact, in many sections the first fruits of the garden, the early lettuce and onions, will be ready to pick, while the first crop of radishes will be well grown, and soon will be ready for the table. It is my mission to encourage the growing of early garden truck for the markets; but, while I am inclined to do this in the case of those who grow to sell, yet I do not desire to lose sight of the value of the early vegetables on the table of the farmer himself.

The Farmer's Table

There are too many farmers who do not keep as seasonable a table as health and economy demand. During the winter the food of the average farmer is what is commonly known as heavy, i. e., it consists of stored vegetables and meats, in abundance; baked and boiled things as plentiful as the table of the millionaire; but on few farms is there a greenhouse going all winter just for the purpose of furnishing the farmer and his family with the succulent green-food which nature demands after a course of the heavier solid kinds.

In view of this, it is the duty of the farmer toward his family to see that the family table is supplied with the choicest of the early vegetables, especially those which are green and succulent, such as lettuce, radishes, onions, spinach, and many others.

There is no better spring medicine than eating freely of these. The need of them is felt especially when the first warm days of May come. Let there be plenty for the home table even if there be none for sale.

Crop Succession

Those of my readers who profited by the tables of garden crop succession printed in a recent number will get the full value from their gardens without in the least robbing the soil. The intense culture of a garden adds to its fertility, if it be done along a line of well considered plans.

The constant tillage adds to the aeration of the soil, and the addition of the manure, and the working in of the wastes from previous crops add to the humus-content, and all of these insure the proper amount of nitrogen being abstracted from the air. The only way that extensive gardening can rob the soil is by close and constant cropping, and not ferterlizing at all.

The art of crop succession presupposes that you will have the second crop under way before the first one is quite ready to gather. Where another crop follows beans it can be planted between the rows when the latter get their last cultivation, prior to ripening, and, by the time the succedind crop is far enough on to require cultivation, there will be a crop of weeds to need it. You will never make a success out of crop-succession if the weeds overtake the second crop before it is far enough on to be worked.

Potato Scab

I have several times mentioned this menacing disease of the potato in these columns. It is the greatest enemy of the potato, as nothing which can affect the potato renders it so worthless, from a commercial point of view, as this disease. It is so prevalent, especially in the seed potato districts that it is folly for any gardener to plant potatoes without trating them to prevent the occurrence of the disease. The remedy is chap and certain. Wash the potatoes, and *put the washings in the sewer—never on the land.* Then soak them in a solution made of one ounce of FORMALIN to two gallons of water, for two hours. They are then ready to be cut and planted.

Never plant potatoes, treated or otherwise, in soil in which scabby potatoes have been grown, as it takes at least five years for the spores to die a natural death. There is no danger from the use of formalin on the seed potatoes.

Vegetable Rusts

There are fungous diseases which attack certain vegetables, especially the bean, which can be eradicated from the garden if all such plants are treated for a season.

However, this presupposes that you have no unprogressive neighbors who do not treat their crops for rust. The "Rust," is the great enemy of the bean. Scientific investigation has exploded an old-time myth regarding the bean. Our grandmother told us that we must not work among the beans as that made them rusty. But the truth is, that if beans get rusty after they have been worked with while they have been wet, it is due to the fact that there was rust on some of them, and the spores were carried from one plant to another by adhering to the wet hoe or clothing. Beans treated as given below can be worked with at any time with impunity—but, if not treated, do not work among them when wet, as they are likely to have one or more rusty ones, which will pollute the whole patch.

Remedy For Bean Rust

The standard remedy for bean rust is to spray the stalks as soon as they get their third leaf with Bordeaux mixture, three weeks later, give them another spraying, and, if of the late field variety, give them a third spraying three weeks later. What we call "Rust" is merely *Anthracnose,* and is spread generally by the dry, powdery, spores blowing about in the wind, and lodging on other plants. As soon as they get wet they start to grow and reproduce themselves in countless numbers. It is at such a time, when a wet hoe or other implement, or the clothing, comes into contact with them that they spread over the patch by contact of the moist spores. Do not plant beans to the leeward of a berry patch if there is any *Anthracnose* in it.

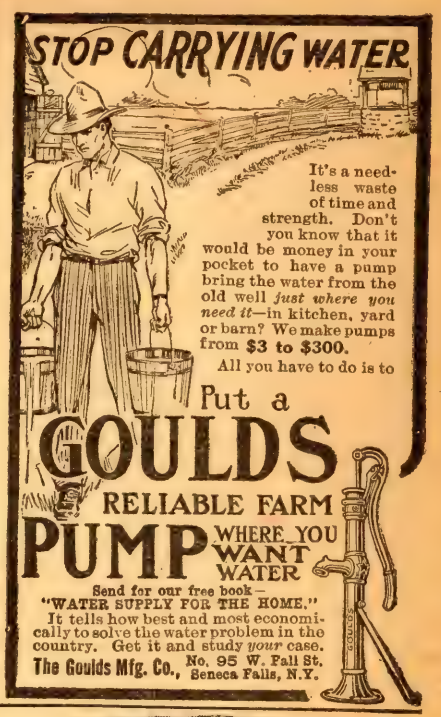
THE SMALL FRUITS

The Strawberry

It has been said there is no fruit so scarce on the farmer's table as the strawberry. The reason advanced for this condition is, that there is so much work required with them at the period in early spring, when the farmer is too busy in the field to give the time necessary. Also that the weed problem in the berry patch swamps the average farmer, as they are usually mulched with manure, which means that the patch is well sowed with weed-seeds. If the farm strawberry patch is so situated that it can be dragged, to remove the course litter, the cultivator can be started in the patch as early as the ground can be worked.

This if kept up until the buds form will insure freedom from weeds for that year. When the bud-shoots spring up, mulch the patch with straw, going over the rows to clear away the crowns, and this will insure clean berries, and the cultivation will make the crop earlier, and the berries larger than if the old mulch, which had been on over winter, had been allowed to remain.

The cultivation of the strawberry with







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Price Peck, 75c; ½ bushel, $1.35; bushel, $2.25; bag (2½ bu.), $5. This is a special low price and you should be sure to plant this variety—you'll not regret it. Bags are free. Send for catalog of all field and garden seeds or order corn direct from this ad.

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We are able to make this Wonderful Offer because the Apex Washing Machine is a Wonderful Washing Machine.

The Apex Washing Machine is built along entirely different lines from the old fashioned clothes washers. For years we have been working on the principle involved in the Apex and the machine is the result of careful planning and scientific work. The Apex Washing Machine works on the principle of gravitation—the principle that water seeks its level. This is the principle that turns the wheels of large factories and furnishes the water power for huge industries. The principle is applied in a very simple way to the washing of clothes. The Apex Washer is simplicity itself—that is one of the beauties of the machine.

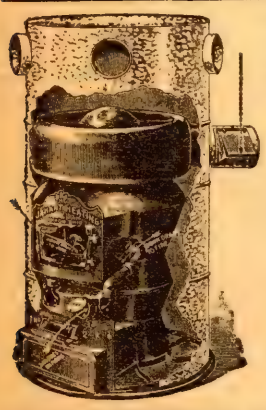
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Our monthly installment plan of selling direct saves you all the dealer's profit and his excessive charges for installation and repairs. You can save at least ⅓ the cost of your furnace. We have been building Jahant Furnaces for over thirty years and guarantee perfect satisfaction. Let us tell you why the

JAHANT DOWN DRAFT FURNACE

Is the best Heating System made for residences, schools, hotels, churches, etc. It is the most economical furnace too and saves ⅓ to ½ the cost of fuel because the patented "Down-Draft System" burns hard or soft coal, wood or lignite, and burns it ALL without cinders, clinkers or any waste. Needs less attention, yet heats much better than any other furnace, hot air, steam or hot water heating system. Our "Installment Plan" of monthly payments by which you pay

Only $10 Down and $10 a Month

makes it easy for any one to have the best heating system made.

We send complete outfit, furnace, pipes, registers, etc., together with special plans, full directions and all tools for installing. If you can drive a nail you can install a Jahant Furnace without the aid of a tinner.

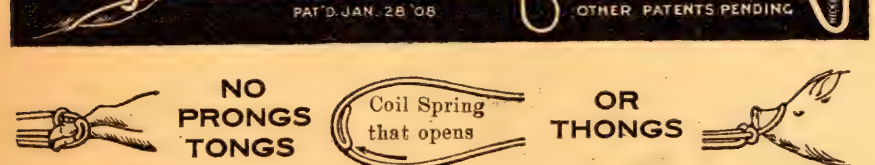
Write To-day for Catalog which explains the Jahant Down-Draft System and tells why it gives more heat at less cost than any other system of hot air, steam or hot water heating.

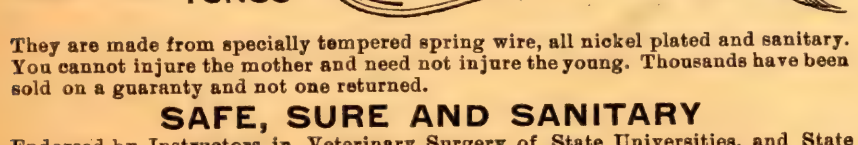
THE JAHANT HEATING CO., 209 Howard St., Akron, O.

SALESMEN WANTED EVERYWHERE

To sell fruit and ornamental trees, berry plants, shrubs, roses, bulbs, etc. Experience not necessary. Steady employment the year round. Highest commissions, payable weekly. Clean, straightforward proposition. No investment, deliveries or collections to make. You take the orders and get your pay. We do the rest. If you can do business, and want to make money write to us and a salesman's outfit, with full instructions, including a booklet on "Salesmanship," will go forward to you at once **FREE** and postpaid.

PERRY NURSERY COMPANY, - - Rochester, N. Y.





They are made from specially tempered spring wire, all nickel plated and sanitary. You cannot injure the mother and need not injure the young. Thousands have been sold on a guaranty and not one returned.

SAFE, SURE AND SANITARY

Endorsed by Instructors in Veterinary Surgery of State Universities, and State Veterinarians wherever their attention has been called to it as the best thing in its line.

Our Premium Offer Send 50 cents for a two years subscription, or two one year subscriptions and 15 cents more, to pay mail or express, **IN ALL 65 CENTS**, and we will send one of these instruments at once.

ADDRESS—
Circulation Dept. UP-TO-DATE FARMING, Indianapolis, Ind.

the cultivator should be very shallow—not over two inches, and not too close to the row. "Handling" the plants, the last time over, drawing the soil up around them with the hands, just before the mulching, will be well repaid in the quality of the fruit. If the farmer finds it onerous to grow fine strawberries, it is due to his lack of knowledge of their requirements.

My observations from time to time in these columns about the necessity of having bees to fertilize the fruit blossomes applies with especial force to the strawberry. A hive of bees to the acre of plants is worth many dollars in the value of the berries, as poorly fertilized blossoms mean poor fruit. The wind is a fertilizing agent, but *a hive of bees is worth a dozen cyclones for this purpose.*

THE ORCHARD

A Freezing Wave

As this is being written, there come reports via the daily papers of a terrible blizzard, with deep snow and freezing weather, in the fruit-belt of the middle-west, including the fruit sections of Michigan, Iowa, Missouri and Arkansas. East of the Alleghanies there has been much rain, but it is warm and pleasant, and all danger of the fruit is apparently past for this season. In most fruit sections the apples bloomed from one to three weeks earlier than in any season for years, due to the forcing by the warm weather in March, and it has been difficult to recommend, ahead, a spraying schedule from issue to issue.

However, it may turn out as it often has; that the fruit in the west is not all killed. I would be glad to have reports from my readers, living in sections in which the storm of April 23 and 24 was severe, giving the condition in each section.

Spraying This Month

Never has it been so hard to tell my readers just what to do at any particular time as this season, due to causes referred to above, but doubtless those who read my extended articles on this subject during the winter knew to spray Bordeaux-arsenate-of-lead solution as soon as the petals began to fall, with a re-verted nozzle so as to fill the open calices with the poison to catch the first crop of the coddling-moth, and the Bordeaux will take care of the scab-pores left over from last season. These sprays at this time should be applied with force.

Cultivation

The cultivation of the orchard should be kept up during the month of May in those sections where the ground can be worked, so as to get it in first class tilth as soon as possible. Break the crust after every hard rain, with the shallow cultivator, or the drag, depending upon the quality and mechanical characteristics of the soil.

In cases where it is intended to grow a money crop between the rows, especially in the young orchard, do not run the rows too close to the trees. Four feet is about right for an orchard less than five years old. If the soil is mellow, the disk and smoother will in most cases obviate the necessity for the regular plow.

It is a mistake to grow, in the young orchard, any crops which are liable to attack the trees. The biologists are now saying that there are not as many specific fungous diseases as were formerly thought to be the case, but the same ones present different features, on different trees and plants, owing to their different structures.

Disbudding and Thinning

These are two names for practically the same thing, i. e., the thinning of the fruit, so that any one bud-stem will not have more fruit to ripen than it can make into first class specimens.

In all the first class commercial orchards nothing is more carefully attended to than thinning of the fruit. This is done when the young apples (for instance) are the size of marbles. When done properly it encompasses two purposes, the thinning of the bud-stems, and the apples on those which are left. The practice of thinning out the stems and allowing those remaining to carry too many fruits to the stem, and the equally bad one of allowing too many stems to remain, but thinning them out as to individual fruits, are totally wrong.

When going over the trees for the purpose of thinning, keep in mind the points of the compass, and allow more stems to remain on the East, West and South sides than on the North, and thin out those which would naturally not get the sun and air, owing to their location on the limbs. The best apple thinner is he who can make a mental picture of the tree as it will appear when the fruit is ripe.

THE FLOWER GARDEN

There are many persons who are at a loss what flowers to use for certain locations, and certain purposes. To aid all such I give below a classified list.

BORDERS FOR PATHS OR BEDS

Ageratum (Tom Thumb), Alyssum (Sweet), Asters (Miniature), Bellis Dwarf Candytuft, Globe Amaranth, Nana Compacta, Lobelia, Marigold, (Brownie), Marigold (Lilliput), Myosotis, Nasturtium (Lilliput), Nigella (Tom Thumb), Petunia Compacta, Phlox Nana Compacta, Pyrethrum Aureum, Sweet Pea (Cupids), Zinnia (Lilliput).

FOR MASSING IN BEDS.

African Daisy, Ageratum, Antirrhinum, Aster, Calendula, Calliopsis, Cannas, Candytuft, Dianthus, Hollyhocks (Annual) Lobelia, Marigold, Myosotis, Nasturtium (Tom Thumb), Nicotiana, Pansies, Petunia, Poppy, Phlox Drummondi, Stocks, Salvia, Verbenia, Zinnia.

FOR PARTIAL SHADE

Anemone, Antirrhinum, Aquilegia, Ariuluscula, Bellis, Begonias (Tuberous), Canterbury Bels, Delphinum, Digitalis, Ferns, Finum, Mincubus, Myosotis, Pansy, Polyanthus, Shiganthus, Torenia, Violet.

FRAGRANT FLOWERS.

Abronia, Alyssum, Carnation, Cleonie, Dianthus (Hardy), Heliotrope, Lavender Mathiola, Mignonette, Mimulus Moschatus, Nicotiana Affinis, Scabiosa, Stocks, Sweet Peas, Sweet Rocket, Sweet William, Wallflower.

LONG STEMS FOR CUT FLOWERS.

Aquilegia, Arctotis, Asters, Calliopsis, Carnations, Centaurea Cyomus, Coreopsis, Cosmos, Dahlias, Delphinum, Gaillardia, Marigolds, Mignonette, Pentstemon, Poppies, Slapigolossis, Scabiosa, Sweet Peas, Stevia, Stocks.

PLANTS FOR FOLIAGE

Amaranthus, Canna, Coleus, Euphorbia Var., Grevillea, Kochia, Marvel of Peru, Var., Musa Ensette, Perilla, Pyrethrum Aure., Richinus.

ANNUAL VINES FROM SEED

Balloon Vine Butterfly Runner, Bryonopsis, Calampelis, Canary Bird Vine, Cobea Scandens, Convolvulus Major, Dolichos, Gourds, Hop (Japanese), Ipomea, Maurandia, Mina, Sweet Peas, Thunbergia.

VASES, HANGING BASKETS, ETC.

Asparagus Sprengeri, Lobelia Gracilis, Maurandia, Nasturtium (Trailing), Oxalis, Petunia, Smilax, Torenia.

FOR WINTER BOUQUETS.

Acrochinium, Globe Amaranth, Helichrysum, Ornamental Grasses, Rhodanthe.

EXPERIMENT STATION NOTES

Virginia Station, Blacksburg, Va. .This station has issued an edition, revised to March 1910, of the handy pocket-size bulletin, entitled, "Fighting the insect pests and diseases of orchard, field and garden crops." It is a valuable encyclopaedia of these subjects, fuly illustrated—the best I have seen.

U. S. Department of Agricultural, Wash. D. C. Farmers Bulletin No. 392, is a valuable treaties on "Irrigation of Sugar Beets," which will greatly benefit our readers living in the sugar beet sections of the far west, where irrigation is necessary. It is well illustrated. Farmer's Bulletin No.54, "The Substitution of Lime-Sulphur for Bordeaux Mixture, Etc.," of great interest to all fruit raisers.

All interested should send direct for these bulletins, which are published for the benefit of the farmer.

FUNGI

Few persons realize to what extent fungus troubles are robbing the fruit growers and farmer of the profits of his labor. The potato and fruit harvests is cut half in two if not protected, and sometimes entirely ruined.

Fungi, in plain English, is one of the lowest groups of plant life, and those we have to deal with mostly on fruit and vegetables are parasites (microscopic in size).

It will thus be seen that fungi are a most dangerous enemy. It is like combating a contageous disease which we cannot see and know it only by results.

Scientists have long believed that some form of sulphur other than the copper sulphate would destroy fungi without injury to the fruit and vegetable. This past season experiments were made with self-boiled lime-sulphur, commercial lime-sulphur, iron sulphate, etc., and each experimenter advocates most strongly his own preparation. We believe that the most promising of these preparations was experimented with last year under the name of "Sulfocide," containing actually between 29 and 30 per cent of sulphur in solution, admitting of a great dilution. Whether it can be used on peach and plum will be a matter of future experiment, but the fact that with less trouble and expense it can be used where Bordeaux has been the only remedy, is very encouraging and makes it worthy of a trial.

BEES ON THE FARM

The intimate relation between bee-culture and farming and fruit growing has impelled me to give occasional reminders in this Department of their economic importance to the fruit grower. This fact is so thoroughly demonstrated and understood that fruit-growers are awakening to the necessity of keeping bees as a regular part of the work of fruit-growing. In view of this I strongly recommend to all farmers and gardeners, especially those who have orchards or who grow small fruits to get themselves up-to-date on bee-culture by subscribing for the best of bee journals. GLEANINGS IN BEE CULTURE, published twice a month for $1.00 a year. You might almost as well try to grow fruit without spraying or fertilizing as without the aid of the bees. Send your name and $1.00 to the publisher of UP-TO-DATE FARMING, Indianapolis, Ind., and GLEANINGS will be sent to you for one year.

SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

A MODERN FARM NECESSITY

RECENTLY our editor became curious to learn how many of our readers were thinking of buying automobiles. To secure this information a question blank was run in a recent issue of Up-to-Date Farming. The result was quite a surprise.

Of the answers, nearly every one expressed himself as intending to buy an automobile. There were 167 of these prospective purchasers, and if we estimate the average cost of each as $1,200—a low figure—then we have the enormous sum of $200,400.00 which will be spent by these readers who answered the query. Our readers who sent in the answers, report a total of over 2,200 machines in their neighborhoods and many more who are preparing to purchase.

From this it seems that the greatest field for the sale of automobiles is not in the cities, but right on the farm. Indeed, no business exists in which an automobile can be so generally used as that of the farmer's. For quick trips to the creamery; for hauling fresh produce before the heat of the day can effect it; for relieving and resting the faithful horse, after his hours of honest toil under the burning sun; for emergency calls of every kind, perhaps saving many dollars, and maybe the life of someone beloved; and last, but not least, for pleasure—nothing can take the auto's place. An automobile soon pays for itself in making possible a few hours each week of refreshing drives in the cool of the evening, replacing the worries and troubles of the day with happiness and contentment, adding new life to every wearied bone and muscle, filling the lungs with wholesome, oxygen-laden evening air, and increasing the years of existence in this "vale of tears and sorrow."

The automobile is the complement of the telephone, and its place is beside that of the gasoline engine, the steam plow, the modern reaper; and here we make this prophecy, that not many decades will pass before the automobile will have its place on every up-to-date farm, and no farmer will consider himself fitted for his business until he has a telephone in his house and an auto in his barn. One is already here— the other is moving rapidly on the way.

AUTO NOTES

The automobile shows all over the country are attracting much attention. Every large city has its show. All report much larger shows this year than ever before.

It is stated as a fact by those in a position to know that farmers are buying half of the automobiles manufactured.

Seventy-five owners of a certain make of automobile in New York have made reports of cost of mechanical repairs and miles traveled. The total was 398,885 miles and repairs cost $53.21, averaging 71 cents per car. The automobile is making good for owners.

The automobile does not wear out roads like horses and the horse drawn vehicle.

It is said that in England it is only a question of a comparatively short time until the horse cabs will be superceded by mechanical traffic.

W. W. Sotherland, is doubtless the first traveling salesman in the country to make the motor a big factor in his business. Hereafter, in making his business calls throughout Ohio and Michigan he will use a Roadster to transport both him and his trunk of samples.

Being a traveling salesman, Mr. Sotherland is on the road the greater part of his time. He wanted a motor car, but couldn't figure on having a great deal of pleasure out of his machine if it had to be left at home while he sold goods. Then he conceived the bright idea of utilizing the car in his business; and looked about for a car staunch enough to stand up under the hard work he had cut out for it. When Mr. Sotherland is not busy selling goods away from home, he intends to become the favorite of all the youngsters in town, and has a big leather cushion to take the place of the trunk, so that the carrying capacity of his car will accomodate some half dozen budding citizens.

A REMARKABLE LIST OF DE LAVAL SEPARATOR USERS

In the De Laval advertisement in this issue will be found a truly remarkable list of some of the more widely known of the nearly 1,200,000 users of De Laval cream separators. While many of them are bankers and the heads of great railroads and corporations, merchants, lawyers, editors, physcians and even actors, they are all dairy farmers as well, and it is pleasing to those of us who are dairying for a living to have the fact thus brought home to us that so many representative men who don't have to practice dairying for dollars-and-cens results nevertheless find pleasure in the breeding of good cows and the production of pure dairy foods.

The De Laval Company claims, and not without justification, that such a list of users as this is of important significance to every prospective buyer of a cream separator because the fact of the use of De Laval machines by most of these men reflects a thousand sources of authorative information and experience not possessed by the ordinary purchaser, who not infrequently buys a separator simply because his local dealer happens to handle that particular kind or the claims made in some "ad" or catalogue may appeal to him.

Do You Appreciate—

what this paper is trying to do for every farmer in our country? Will you help us? Then please mention

UP-TO-DATE FARMING

when you write advertisers. And if you see the announcement in more than one paper mention this one sure.

AUTOMOBILE SENSE!

YOU CAN SAVE ENOUGH ON THE PURCHASE PRICE OF YOUR CAR TO MAKE THE GAS and OIL FREE FOR SEVERAL YEARS AND GET FROM US

ANY STANDARD RELIABLE HIGH GRADE **MAKE**

AUTOMOBILE

AT 1-3 OF ORIGINAL COST

THEY ARE USED CARS secured from owners getting 1910 models, also from overstocked mfgrs. who have traded them in. THE FACT THAT THEY HAVE BEEN USED, HOWEVER, DOES NOT MAKE THEM ONE BIT LESS VALUABLE FOR PRACTICAL SERVICE because it is proven that CARS OF QUALITY ARE BETTER AFTER HAVING BEEN BROKEN IN THAN WHEN NEW and every car we sell is thoroughly inspected and when necessary repainted so that even in appearance they are equal to new. So except for the pride of getting a car that has never before been run and paying its fancy price you can

GET JUST AS GOOD VALUE AND QUALITY AT 1-3 OF THE COST

Among the excellent cars now ready for PROMPT DELIVERY are such well known makes as Peerless, Pierce, Packard, Oldsmobile, Rambler, Lozier, Thomas, Stoddard-Dayton, White Steamers, Wintons, Maxwells, Buicks, Fords, Reos and all other standard makes in

Runabouts	$100 to $1250
Small Touring Cars	550 to 1150
Large Touring Cars	650 to 2500

We are sure to have the car you want and every car we sell is guaranteed to be exactly as represtnted.

Send for our instructive and interesting Bulletin giving prices and description of hundreds of cars.

Times Square Auto Co.

LARGEST DEALERS IN THE WORLD

5 BIG HOUSES

ST. LOUIS - - Cor. Pine and 18th St.
KANSAS CITY - - - 1701-3 Main St.
CHICAGO - - - 1332-4 Michigan Ave.
NEW YORK - - - 215-17 W. 48th St.
PHILADELPHIA - 238-40 N. Broad St.

Tell them you saw the "ad" in Up-to-Date Farming

AGENTS—$33.30 A WEEK



Why not make it? Jack Wood did it! He writes—"Hurry up 100 more—sold first lot in 2 days—best seller I ever saw." **Hundreds of agents coining money**—$5.60 worth of tools for the price of one. Wonderful invention—drop forged from finest steel. Nickel Plated all over. **Astonishing low price to agents**—1,200 ordered by one man. Get our grand confidential proposition quick. Sample free—don't delay—experience not needed—write at once.
THOMAS MFG. CO., 2281 Wayne St., DAYTON, OHIO

The Overland

Your Kind of Car

You will see why the Overland outsells all other cars if you will note its simplicity, its freedom from trouble, and the value it gives for the money.

In city and country, all over America, the Overland has become the most popular car that is made. The average daily sale now exceeds $200,000. And our four immense factories, employing 4,000 men, can hardly supply the demand.

Yet the Overland is a new car—but little more than two years old. It never was advertised until a few months ago. All its enormous sale has been created by owners telling other people about it.

Any man who is thinking of an automobile should find out about this car.

The Simple Car

There is a single part in each Overland car which takes the place of 47 pieces. All through the car one piece is made to take the place of many.

There is no complex pump in the Overlands. The lubrication is all automatic. Many an Overland has run up to 10,000 miles without even cleaning a spark plug. One has been run 7,000 miles without stopping the engine.

The operation is by pedal control. One can go forward or backward, fast or slow, by simply pushing pedals. It is as simple as walking. A child can master the car in ten minutes.

A novice can care for an Overland with almost no trouble at all. Any member of the family can run it. In the Government Postal Service, where Overlands are used, the cars have run 500 days without missing a trip.

When a man runs his own car, you can imagine what it means to have such a car as that.

The Lowest Cost

We have $3,000,000 in modern plants and machinery for making Overland cars economically. The parts are made—like the parts of watches—by automatic machinery. Thus we get exactness to the ten-thousandth part of an inch.

We devote one factory to one model alone. This, with our enormous production, enables us to give more than anyone else for the money.

We sell a 25-horsepower Overland with a 102-inch wheel base, for $1,000 in roadster style. The same car with tonneau costs $1,100. That means a large and powerful car for the usual price of much smaller cars.

We sell a 40-horsepower Overland for $1,250. Other Overland models cost $1,300, $1,400 and $1,500. All of these prices include gas lamps and magneto.

It is utterly impossible for smaller makers, using old-fashioned machinery, to give what we give for the money.

Ask for the Facts

When you see the Overland, and know all about it, no other car will appeal to you. It is easy to find out why so many want Overlands. Wherever you are there is an Overland dealer near by you. If you will send us this coupon we will tell you his name, also send you our beautiful catalog.

Cut out this coupon now.

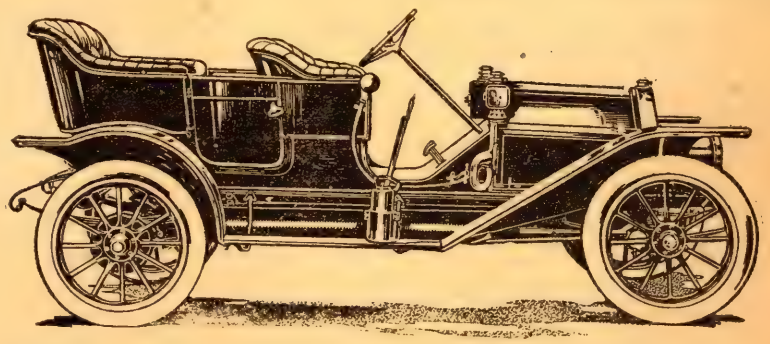
F30

The Willys-Overland Company
Toledo, Ohio
Licensed Under Selden Patent

Please send me the catalog free

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. . . . . .



Overlands are made in all styles of bodies---some 25-h. p., some 40-h. p. The 25-h. p. Roadster costs $1,000; with Toy Tonneau, $1,100. The 40-h. p. Roadster with single rumble seat costs $1,250. Other styles up to $1,500. All prices include five lamps, magneto and full equipment.

(67)

HEISKELL'S Ointment



is an *aid to beauty.* A skin whose natural loveliness is spoiled by unsightly eruptions, pimples and blotches, is made smooth and clear by Heiskell's Ointment. Cures eczema, tetter, erysipelas, blackheads, ring worms and all other disfiguring skin diseases. After the cure use Heiskell's Medicinal Toilet Soap constantly—it keeps the skin healthy. Sold by all druggists.



Write for our new booklet, "Health and Beauty."

JOHNSTON, HOLLOWAY & CO.
531 Commerce St., Philadelphia, Pa.

By Theodore Roosevelt

AFRICAN GAME TRAILS | **HIS OWN BOOK**

Agents Wanted for the only account of his adventures in Africa by himself

BEWARE OF FAKE BOOKS

CHARLES SCRIBNER'S SONS
155 Fifth Avenue NEW YORK

Beautiful Silk Remnants For Quilts
BED SPREADS, SOFA PILLOWS AND FANCY WORK OF ALL KINDS

SILKS

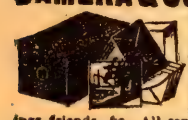
BEST QUALITY OF GOODS, PLAIN COLORS, STRIPES, PLAIDS AND FIGURES.

Large sample package by mail, 16 cents; two packages, 25 cents. Stamps taken. Satisfaction guaranteed.
Silk Patch Company, Dept. F., Williamsport, Pa.

SUGAR Fine Gran. **lb. 2½c**

We SAVE you about one HALF on Groceries and general Merchandise and pay freight. Send no money but write at once for Free Catalogue 135
CENTRAL MERCANTILE COMPANY,
Dearborn St., Chicago.

CAMERA & COMPLETE OUTFIT



25c Takes pictures 1¼ x 1¼. A little gem. Sure to please. Leatherette covered camera and complete outfit of plates, paper, chemicals, &c. with complete instructions so any boy or girl can take GOOD PICTURES of landscapes, buildings, friends, &c. All sent for only 25c (silver) or 3 for 50c.
ALDEN & CO., Sta. A, Indianapolis, Ind.

Dreambook 64 pages. Enclose 10cts. and receive one by return mail.
PEERLESS SUPPLY CO., 1750 Cleveland Ave., Chicago

FARM WATCH—RING and CHAIN



WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely designed case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.



Dale Watch Company, Dept. 53 Chicago

KITCHEN SET FREE
(22 INCHES LONG)



(19 INCHES HIGH)

Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort, Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

COUPON

D. W. BEACH, BOX 502
Spencer, Indiana.

Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

Name.....

P. O.....

St. or R. F. D..... State.....



THE REST HOUR

WHAT ought to be the best hour is the rest hour in the home. Much is said of the drudgery of life in the farm home, but there can be and there ought to be a rest hour in the afternoon. We admit the incessant calls on the mother who is also the homemaker, the housekeeper, the cook and the meal server, but there is a time in the afternoon when at least an hour's rest may be taken. If that hour can be devoted to sleep, to a regular afternoon nap, it is all the better. There is a baby?. All right. The baby sleeps during the day. Accustom it to take one of its naps regularly at the time the mother does. That will make the mother's afternoon nap all the sweeter and more restful. But there are other small children? They can soon be taught to play quietly while "mamma rests." We feel sure a little resourcefulness may fit any conditions and circumstances to the farm wife's hour of rest; and it ought to be provided for and adhered to. It is with more than its estimation in buoyancy of spirits, cheerfulness, health, long life, and ability to perform the duties that may not be neglected.

This rest hour which we believe may be made available by every housewife, cannot come to women in other callings. The saleswoman in the store cannot have it; she may have idle times, but every minute has its expectation of business. The factory girl has her hours for beginning and closing her work, and not a moment between is hers. The stenographer must always be ready for the call of her employer But the farm wife, most of all, needs her rest hour; most of all she deserves it, and she should have it.

FOR THE SICK

FOR the following suggestion for food for invalids or sick persons we are indebted to the "Woman's Magazine." It occurs to us that the preparations are good for persons sick or well:

Apples.—For baking, pare and remove the core, and put a little sugar in the center, ordinarily butter may be used on the apple while baking, but that might make it too rich for an invalid. To boil with cinnamon, often greatly relished by the sick, put a pared and cored apple into a saucepan of boiling water, boil until nearly tender and then add to the water sugar and cinnamon to taste, and boil until done. Let the water boil to a syrup and pour over the apple before serving.

Cracker Dainty.—Soak a cracker in milk until it is soft, then pile on it the white of an egg whipped to a stiff froth and sweetened with powdered sugar. This is very simple, is always relished, and is both nutritious and wholesome.

Beef Broth and Oat Meal.—When boiling the beef for the family dinner, save a cup of broth, to which add two tablespoons of well cooked oatmeal, season and serve with toast.

Beef Tea.—Cut half pound of lean round steak into small pieces; put into a double boiler with a cup of cold water and a half teaspoon salt. Let it stand for an hour; then put boiling water into the lower part of the boiler and cook until the juice is brown. Press all the juice out of the meat, strain and serve hot.

Mutton Broth.—Pour a quart of cold water over a pound of lean mutton chopped fine, and let it stand until the water is very red, then heat slowly and let it simmer ten minutes; strain and season with salt.

Bran Tea.—Upon a pint of bran ponr a pint of boiling water; let it stand on the back of the stove for an hour, but do not allow it to boil; strain and serve with sugar and cream just as one would serve coffee.

Grape Juice and Egg.—To two tablespoons grape juice add a well-beaten egg and a little chipped ice. If not sweet enough, add sugar.

Rhubarb Water.—Wash the rhubarb, but do not peel it. Cut in short lengths, put into a bowl, add sugar and boiling water, and set away to cool; strain and serve cold. The water will be of a delicate pink color, and it is a very refreshing drink for those who relish anything tart.

Flaxseed Tea.—Wash a tablespoon of flaxseed and put into a saucepan with a cup of cold water and a tablespoon sugar. Let it simmer for an hour. Add the juice of one lemon and sugar to tase. Serve hot.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

ABOUT MENDING

THERE is no family growing up on a farm where clothes mending is not a frequent necessity; and, as has been well said, a patched or otherwise mended garment need not be an eye-sore. It depends upon how it is done. A lady of evident experience gives some valuable hints, which we summarize. Fine hose or woven garments should be mended before the threads break. They should be "run" or "darned," using fine silk wool or cotton, according to the material of the goods. Take each stitch through the woven stitch, giving a little beyond the thin places. Darn these on the wrong side. The thread used should be about the same texture as the material; never coarser. Thread finer than the material is preferable.

A pulled rent or tear is about the most difficult of all garment wounds. Place a piece of material with threads running the same way under it and baste it in place. Darn this down neatly and flat with ravelings. The three-cornered tear requires extra patience. Attend to all tears as soon as possible, and do the work on the right side. Do not turn the rough edges of the tear, but baste and then sew the edges down, working with the weave of the goods.

When a garment must be patched, as is often the case with children's clothing, place the patch under the material, baste it on evenly, cut the frayed edges of the garment and turn them under, making a tiny "snip" at the corners. See that the patch and the material of the garment matched in quality of goods and in color, stripe or figure exactly fitting like matching wall paper on a wall; hem the broken garment on the right side with neat little stitches taking hold of the patch; then hem the patch on the inside fastening the edges to the garment, but being careful that the stitches do not show on the outside. Remove the basting by clipping the thread in short pieces and removing them, not drawing the thread out full length.

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As soon as they are baked they are placed in moisture-proof packages. In this way they are kept free from dust, damp and other harmful conditions.

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They come in five cent packages.

(Never sold in bulk)

NATIONAL BISCUIT COMPANY

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

A friend writes us that UP-TO-DATE FARMING reached her home the other day when all the members of the family were present, as were also several visitors, and it was decided that one should read the paper aloud for all. When it was asked where the reading should begin, it was unamiously decided that the Cadet letters should be read first. Similar preferences have been expressed to us in other ways. We do not take this as an indication that the Cadet department is the most interesting or most valuable department in the paper, it means that people take an interest in what the young folks do, that they love the young people who write, and that they appreciate and enjoy the bright, newsy letters thus coming in from every point of the compass. It is a compliment to the young writers, and an encouragement to them to improve the talents God has given them, that they may successfully do the work that awaits them in life. If our readers could see the pile of excellent letters that lie before us, and that we cannot possibly print now, they would feel a still greater interest in our brilliant Cadets of Equity:

Dear Cadets: I am a girl 11 years old, I live on a farm and like it. I go to school every day, and I like my teacher, Mr. C. W. Zeigler. I have 5 sisters and 2 brothers. My father is a plasterer. We have a large orchard, and it is white with bloom at present (April 6). We expect to have plenty of fruit. We take UP-TO-DATE, and think it a fine paper.—Georgia Elma Hoch, Sugar Grove, Ohio.

It is an honor, Georgia, to bear the name of the excellent governor of Kansas.

Dear Cadets: I am a boy 14 years old. I live in northwestern Kansas, where it is smooth and level. The chief crops are wheat, corn, barley, and oats. My papa owns 640 acres, and we have 230 acres in winter wheat, and it is looking fine. We got 600 bushels of oats from 18 acres last year. I like farm life. There is no life so independent as that. I am learning steam farm engineering.—Carl W. Mayer, Brewster, Kansas.

Dear Cadets: I live near the central part of Oregon, and it is mostly devoted to farming. I have always lived on a farm and I like it fine. Opal Springs are not far from my home, and I will tell you about them. To get to them from here you go down a steep bluff and then up a stream called Crooked river. But you would hardly know it when you reach the Springs. In front of a rock about 40 feet high, about 100 feet back from the main stream are the springs. From one place in the rock a stream flows, but in the bottom of the spring the water bubbles up in many places By taking a pole with a can or cup on the end you may reach down to the bottom and dip up the opals, which are small stones, some of them very beautiful. There are lots of curious things in this country.—W. Vern Merchant, Culver, Oregon.

Dear Cadets: I am a girl 11 years old. Our school was out the 25th of March. I got a book for being present every day, and for being there on time every morning. It is "Ten Nights in a Bar Room," and I have read it through. I like it fine. I like to read books. I have one sister and three brothers. My sister is 14, and has been promoted to the 8th grade. I was promoted to the 7th. I raise ducks, and have 6 of them now. My father takes UP-TO-DATE, and I like to read the letters.—Metta Dillman, Indian Springs, Indiana.

Dear Cadets: I live near Rocky Ford, Colorado, a town of 5,000 population, 4,200 feet above the sea level. It has a beautiful climate and a fertile soil. We raise the grains, alfalfa, beets, cantaloups, watermelons and friuts. We have a large poultry farm, and keep pure bred single comb White Leghorns, exclusively. We have two large incubators holding 504 eggs each, and 4 smaller ones, holding 250 eggs each. We have now (April 3) 2,000 small chicks, and 850 hens. We have a large brooder house and a hen house 312 feet long.

I am 14 years old, and am in the 8th grade at school. We have a basket ball team at our school, and I enjoy playing very much. I am very fond of music, and can play the piano. I have lived on a farm nearly all my life, and like it fine. I would gladly correspond with any of the Cadets. —Myrtle Merk, Recky Ford, Colo.

Dear Cadets: I am a Montana girl from away back; am 15 years old, 5 feet 6 inches in height, and weigh 140 pounds. I have dark brown hair, brown eyes and a dumpy nose. We live on a ranch of 480 acres, and have a 22-horse power gosoline engine, 16 head of horses, 9 head of cattle, about 60 Rhode Island Red chickens, and two pigeons that I have had for 9 years. I have no brothers or sisters, but I hardly think I need them with all my farm pets and friends.

I passed the 8th grade a year ago, and have been attending high school the past year. It is the first year I ever spent in town, and I would take the old farm life every time; but I'll take my education first, for that comes handy even on the farm.



I think I can keep up with the best of the Cadet riders; though possibly I have had an advantage, having lived on a Montana farm, and always had a horse to ride. The first I can remember of riding was being carried in front of my father as he rode over the range looking at his cattle. I must have been nearly 4 years old then, and I have ridden ever since. I have a dandy buckskin pony, and I broke him to ride myself.

Ours is a dry land farm, but we grow wheat, have fine gardens, and are great on raising chickens and turkeys. My father has 3 incubators, and we raise the chicks by hand. They become very much attached to us, for when we are not around they fairly howl. To fool them we hang an old dress near them, and then they are contended.

We have good roads, telephones, and rural delivery all over, and besides this, and best of all the fine mountains and beautiful views. I have a camera and take pictures, doing all the developing myself. I send you a picture of myself and my pony. I regard UP-TO-DATE one of the best papers I read.—Elizabeth Faulkner, Bogeman, Mont.

Dear Cadets: I am a boy 12 years old, and I have a brother that is 9. We live on a farm, and my brother and I have a horse and buggy. We have lived in the country only a year, but I like it better than town We have 3 horses, 2 cows, and 15 hogs. We also have some geese and chickens. My father has a Ciphers incubator now setting. We live by Shoal Creek, where we fish. My mother is a subscriber to UP-TO-DATE, and I think it is a good paper. —Renel Morris Hoffman, Hillsboro, Ill.

Dear Cadets: I delight in reading the Cadet page, and I decided to knock for admission myself. I live on a farm of 157 acres in the northern part of Arkansas. Papa is a nursery man. I like farm life. We grow corn, wheat, oats, and potatoes. We have taken UP-TO-DATE only about 3 months, but we like it so well we could hardly do without it. Papa thinks it a grand paper. I do all our dressmaking, sewing and all. We have 4 horses, and I go out riding very often. I like flowers and music above everything. We have an organ and a guitar. I took a year's course in music last year, and received a diploma at the close of the course. I would like to correspond with any of the Cadets.—Josie Potts, Harrison, Ark.

Dear Cadets: I have been taking UP-TO-DATE for sometime and I like it better than any paper I take. I am 16 years old have dark brown hair and blue eyes, am 5 feet 5 inches tall, and weigh 130 pounds. I live on a farm of 95 acres. I like country life, especially this in old Trigg county. I have become greatly interested in the Cadet letters, and I hope this will make me a Cadet of Equiity. How many of the Cadets like to go to school? I do, but I did not get to go much this winter on account of bad weather. Would like to exchange cards with the Cadets.—Maudie Shilton, Bumpus Mills, Tenn.

Dear Cadets: I am a girl 12 years old. I have 2 brothers and 1 sister. I am a farmers daughter, and I like to live on a farm. We milk 7 cows, and sell our cream. Our crops are wheat, oats, corn, and potatoes. My school has closed. Lulu E. Erb was my teacher, and I like her very well. We think UP-TO-DATE is a fine paper. —Sarah Zook, Belleville, Penn.

Dear Cadets: I will describe the "Breathing Well' I mentioned in a former letter. The well was dug about 50 years ago, before wells were drilled or driven as they are now. When down about 30 feet the diggers struck a current of air so strong that it blew their hats off. No water was found, and the well was walled with stone. A large stone with a hole in it was put over the top. When the wind blows hard then the well breathes harder than on quiet days. If one holds a flower, a leaf, a feather, or a bit of paper in the hole over the well it sometimes blows it up and sometimes draws it down. This is why it is called the "Breathing Well." The theory of scientists is that there is a subterranean passage to a large stream of water about 25 rods distance from, and several feet lower than the bottom of the well. This well is located on the old home farm of the late Col. Weston Flint, late librarian at Washington, D. C. Scarcely a day passes that I do not receive cards, or letters from readers of UP-TO-DATE asking about this well.—Rose Halladay, Great Valley, N. Y.

I am not quite satisfied with the theory of the scientists concerning this well. If caused by a stream of water, why should its "breath" be stronger on windy days than on quiet ones? Why should the water cause a current of air at all? If the water were warm some days and cold others, that effect might be produced; but the water in underground streams is very uniform in temperature. We prefer to believe that the current of air struck by the diggers came from a "pocket" of slightly compressed air, which was itself connected with a cave or subterranean passage that somewhere opened into the outer air. In that case a strong wind blowing against this opening would cause a stronger current to come out of the well, and difference in atmospheric pressure would cause the current to sometimes come out of it, as shown by holding something light over it.

Dear Cadets: Please may I join your band? I have blue eyes, dark hair, and am 5 feet tall, but I will leave the Cadets to guess my age. I live on a farm of 162 acres, and I like farm life. We have a piano, and I toke lessons form Gean Murphy of Apple River, who drives to my home. I do dearly love flowers, and have several house plants. We have been having company from Ainsworth, Nebraska, for quite awhile. We raise turkeys, ducks, and chickens. We have some awful cute Bantams. I would like to hear from some of the Cadets.—Rosie Wolfrom, Warren, Ill.

Dear Cadets: I live in Columbia county, Arkansas, which is in the southern part of the state. This is a healthful country, and has more timber than open land. Our farm products are cotton, corn, oats, peas, peanuts, kinds of vegetables, and such fruits as apples, peaches, plums, grapes, and cherries. My father isn't able to work, but he manages the farm. We have 200 acres of land, and run 3 plows. I am a boy 17 years old. If any one wishes to correspond with me I will answer all cards or letters.—Orby Maloch, Emmerson, Ark.

Dear Cadets: I think the Cadet page the nicest page of UP-TO-DATE. All of us do I guess. I live in Caddo county, about half a mile from Sugar Creek. My school was out the first of April. I was sorry, for I did not want to give up Miss McCormick, my teacher.

Mr. Everitt, I was over-joyed with the nice cards I received from you. I got 6 sets, and still have animal cards. I will be 12 years old May 2, and I would like a card shower for my birthday.—Ida Hodges, Hinton, Okla.

I could not get your letter printed in time for your birthday, Ida, because we had so many letters to print.

Dear Cadets: I am a little girl 8 years old. I go two and a half miles to school. Miss Myrtle Phelps is my teacher, and I like to go. I live on a farm with my parents. I like to live on a farm. Papa owns 40 acres and rents 40 acres more. We raised 200 boxes of apples last year, and we have some of them yet. I like to read UP-TO-DATE. —Estella Strunk, Comas, Wash.

Dear Cadets: I am 9 years old and next year I will be in the 4th reader. I like a farm better than the city. I have 4 brothers and 9 sisters. I live 11 miles from Vancouver. I take UP-TO-DATE, and I think all men and boys ought to read it. —Violet Wantland, Comas, Wash.

Dear Cadets: Will you admit a Tennessee girl to your happy band? I am a farmer's daughter, and I am glad of it. We raise corn, wheat, potatoes, apples, peaches, pears, and almost everything that is good to eat. We take UP-TO-DATE, and I think it is a fine paper. How many of the Cadets will agree with me that farm life has more pleasures than city life? True we have more work to do, but work is a pleasure if we look at it right. Feeling the chickens and pigs, going to the pasture for the cows, and all such tasks are a pleasure to me. And when our work is done we can go and gather wild flowers. That is a pleasure the city boy and girl cannot have. I like to go to school, though I have to walk two miles. It gives me plenty of exercise. I like music, but I can't make any. Will the Cadet that has crossed the ocean three times, tell us about the trips? Were there any storms? If so, describe them if possible. My pets are the broom, the duster, the dish-rag, and the milk pail.—Nellie Merriman, Mt. Airy, Tenn.

I may be a hard hearted old crank, Nellie, but I think you have the best pets of all, if you like them.

We have again reached the stopping place, and I am sorry, for a great pile of letters lie before me, just as good as the ones we are printing; but our space is full for this time. Keep on writing. We will print the letters as fast as we can.



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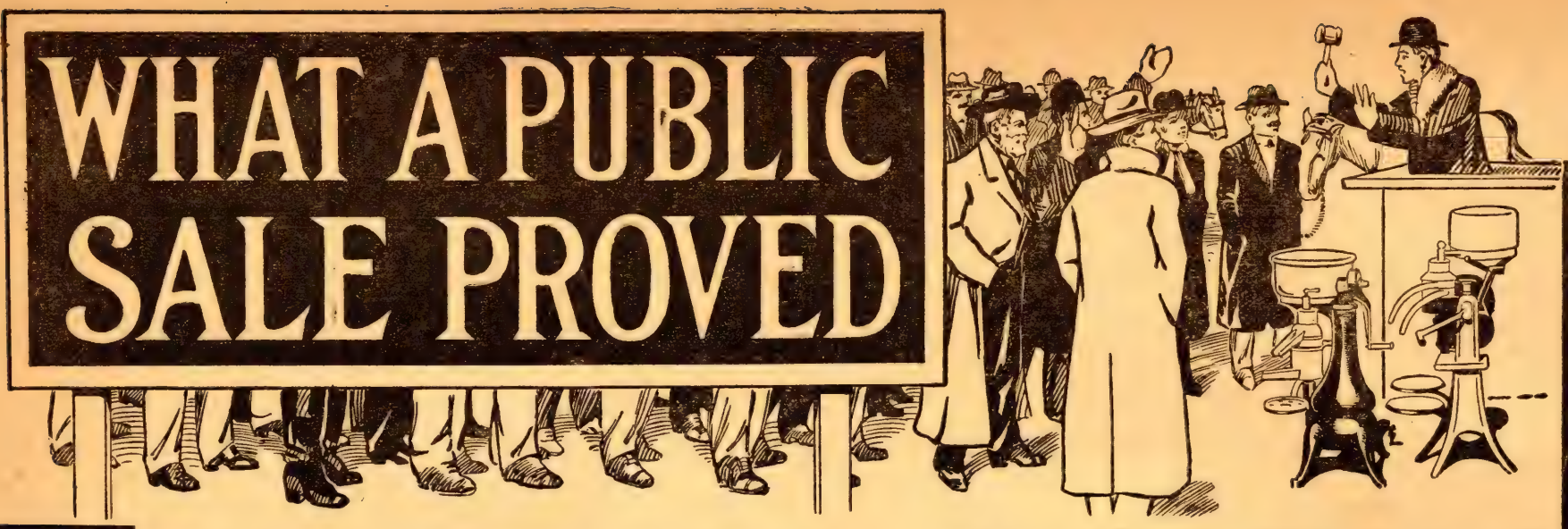


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READ MR. COLLINS' LETTER

Ansonia, Ohio.

Albaugh-Dover Co., Chicago. Ill.
Dear Sirs:--In the spring of 1909 I bought a cream separator of your people, called the New Butterfly No. 4 1-2, that cost me $39.80. At my public sale it sold for $50.00. My neighbor sold a ..... Separator that cost him $100.00 for $21.25. These machines were both sold at my place and on the same day.

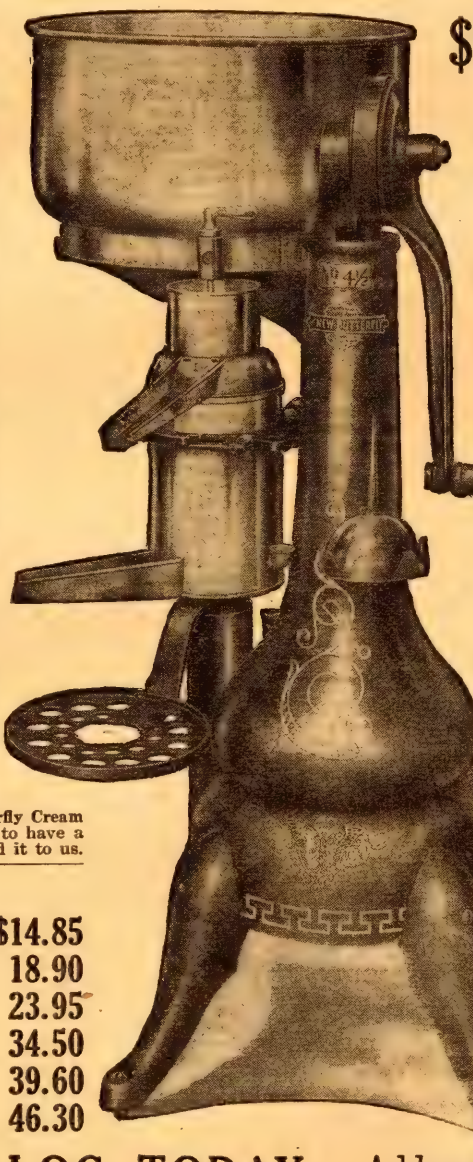
I could have sold three or four more of the New Butterfly machines. You can look for an order as soon as I get moved and need a cream separator. Will move to Camden, Ohio, the middle of February, 1910, so please send all mail to that place.

Yours very truly.

J. N. Collins.

WHEN MR. COLLINS PREPARED HIS AUCTION BILLS and among other things wrote, "For Sale—one New Butterfly Cream Separator," he probably thought that he would get considerably less money for the machine than he had paid us for it a year before. No doubt he would have felt satisfied to take $30.00 or $35.00 for the machine. The extra butter he made last year with the New Butterfly Cream Separator had already more than paid back to him the entire first cost of his machine. On the other hand, his neighbor who owned a $100.00 agency machine undoubtedly expected to get at least $60.00 at this sale for such a widely advertised piece of machinery.

BUT THE NEIGHBORS KNEW CREAM SEPARATORS and the New Butterfly brought him $10.20 more after a year's use than he paid us for the new machine and $10.40 more than we ask you to pay us this year for the New Butterfly machine of the same size, direct from our factory. The other widely advertised cream separator sold under the hammer for $78.00 less than the agency price. Both of the machines were placed where all the neighbors could examine them carefully, and in their opinion, the New Butterfly Separator was actually worth more than twice as much as the high priced agency machine.



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We guarantee that no cream separator made today can be cleaned so quickly and thoroughly as the New Butterfly. In the first place, the New Butterfly skimming device is made of **aluminum,** the sanitary, easily cleaned, non-rusting metal to which butter fat and slime will not stick. But even if it were necessary to scrub the one-piece aluminum skimming device of the New Butterfly Cream Separator as you do the many different tin and tinned steel parts of other separators, this machine could still be cleaned more perfectly and quickly than any other. The aluminum blades are hinged at their inner edges, so that they may be spread apart like the leaves of a book, making it easy for you to clean them quickly and perfectly. The milk and cream spouts are **wide open and easy to wash,** as shown in the illustration, instead of being closed pipe shape tubes, as used in other separators. Warm milk decomposes rapidly, and nothing will taint cream and butter so quickly as a foul smelling cream separator which cannot be kept clean.

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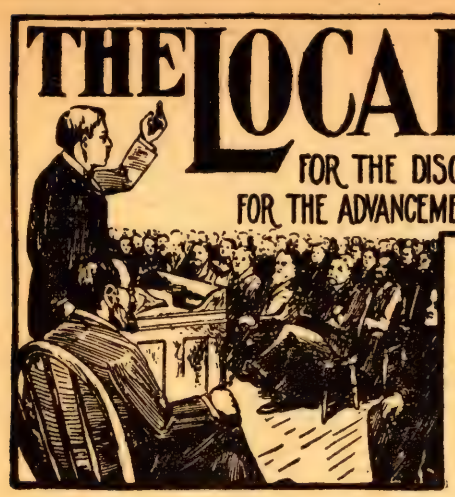
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YOUR ADDRESS should always be written very plainly, including *County*. Do not give street or box number when not necessary to facilitate delivery of your mail. If on a rural route use the letters R. R. before the number.

RENEWALS AND CHANGES. Give the same as before. If a change from one member of the family to another, so state. If you change your postoffice give old as well as new.

IMPORTANT. When writing about your subscription, requesting a change of address, renewing or ordering cancellation, send the printed address from your wrapper. This will help us very much.

THE LATEST DATE shown with your address is the date to which your subscription is paid. Please keep your time paid in *advance*.

ADVERTISING

RATES will be quoted on application.
Only reliable advertisers are admitted to our columns, and we guarantee that they will deal honestly with subscribers. Should they not, we will make good any loss to paid-in-advance subscribers. It is understood that this guarantee is not binding on the publisher unless you mention UP-TO-DATE FARMING when you write and you report any dissatisfaction within a month of the date of the paper.

Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

OFFICERS

President, J. A. Everitt, Indianapolis, Ind.
Vice-President, W. E. Greilick, Traverse City, Mich.
Secretary-Treasurer, I. C. Rous, Indianapolis, Indiana.

DIRECTORS

President and Vice-President, and the following: N. M. Ashby, Sebree, Ky.; J. M. Myers, Ramsey, N. J.; R. Sherod, Keosauqua, Ia.; W. H. Mitchell, Hutchinson, Kan.; L. H. Johnson, Attica, Ind.; S. W. Morris, Rochester, Minn.

The price of all farm crops is on the decline, but prices of things the farmers must buy are holding up or advancing. What are you going to do about it? You may ask, what can we do about it?

—o—

A few years ago the question would have been difficult to answer, perhaps impossible to give a satisfactory answer, certainly impossible to give advice that would have been practical to follow to a successful solution of the problem

—o—

But it is different now. The answer is in this number of this paper. A practical plan to stop the decline and send prices up to where they ought to be and keep them there will be found in the Equity System of marketing as shown on the second page.

—o—

This is the system we have taught for years and have been preparing to put in operation. The special rates recently made by the telegraph companies, about one-fourth as much as the former rate, simplifies the matter very much.

—o—

We ask a careful reading and study of the large advertisement and then send for the book, and the supplement just issued, and study the system.

—o—

The system has been submitted to many successful business men and in every case they pronounce it entirely practical and invariably, they wish the farmers God-speed in establishing it and in securing the benefits they have long been entitled to but which have waited for a practical system of marketing farm products.

—o—

Among the people who have examined the Equity system of marketing farm crops are some presidents of great railroad systems. They expressed surprise at its simplicity and they said it would work. They will also help to establish it. These men are familiar with systems, and know how important they are for every business, particularly large and complicated affairs.

—o—

While agricultural is the largest industry in the country, and at present the most complicated at its marketing end, the Equity System will bring order out of disorder, certainty where all was uncertainty and doubt, and make farming certain as the best regulated business in the country.

—o—

As an independent unit the producer of crops is powerless; in the hundreds of local organizations he is but little better off, but using the Equity system he will have all power as much as the combined power of the millions of producers in control of all the food and clothing supplies.

—o—

In the Equity system, the wheat growers of the Shenandoah Valley, Va. of Kansas, of Montana, and of Oregon, all co-operation as definitely as though there was one wheat grower. It will be the same way with the growers of potatoes in Maine, New York, Michigan, Wisconsin, Nebraska, Colorado, etc., and the same way with fruit growers, no matter where located; and the same way with the orange growers of Florida, and California.

—o—

Although there are millions of farmers producing hundreds of different crops the Equity system makes them practically as one farmer in marketing any and all crops.

—o—

It is the only system for farmers. The system is now ready to be used. Read the large advertisement, and then send for full particulars, how you can use it to market your 1910 crops. The expense to each farmer is only the membership fee to the Farmers Society of Equity—$2.00, and the annual dues $1.50 a year.

INSUFFICIENT ADDRESS ORDERS

Is your order here? The below orders were received by us with insufficient addresses, and we cannot fill them unless the senders will supply the dificiency. Please repeat what you ordered and say: "Advertised in May 15th Number."

G. P. Berg, Taylor ..... $ .61
Mrs. Ollie Harrell, Shelbyville ..... .50
Bennie Fisher ..... .25

"We are beaten back in many a fray,
But never strength we borrow;
And where the vanguard camps today,
The rear shall rest tomorrow."

THE GREAT (?) FARMERS MEETING AT ST. LOUIS

(Continued from page four)

about 200 on Thursday, was less on Friday and less than 100 on Saturday. The St. Louis business men spent a large sum of money advertising the meeting and in preparations to entertain the crowd that was promised Their disgust can be imagined and it resulted in a boycot of the meeting by the merchants.

All such unwise undertakings are to be regretted, but we congratulate the farmers on their decision to remain away. We have not a complete report of the things done but we unhesitatingly report what we said before the meeting: "Not a practical thing was done to rescue the farmers from the tyranny of dishonest greed cursed marketing conditions, or to give them the equitable right to determine what they shall grow to meet the demands they must fill, or to decide upon the equitable value of the products of their labor."

It was our advance opinion that the meeting was more in the interest of organized labor and politics than with any intention to get at the real problems of the farm. This opinion appears to be confirmed by the following taken from the St. Louis Republic of Friday, May 6th:

The Farmers Educational and Co-operative Union in executive session at the Coliseum yesterday afternoon, agreed to co-operate with the American Federation of Labor along industrial lines for the future good of both organizations.

The agreement as reached by the farmers was the result of several days conferences between representatives of the union and Samuel Gompers president of the American Federation of Labor, and the proposition will be put up to the latter organization for ratification when the labor men meet in convention in St. Louis in September.

Representatives of both the farmers' organizations and the labor forces, declare that the co-operative working plan as reached among the farmers has no political tinge, but is solely for industrial protection and co-operation.

The text of the agreement, as reached by the Farmers' Union, follows:

We, the committee on organized labor, have had several conferences with representatives of labor, and President Barret and other officials of our national union have had conferences of of a similar nature, and we are in accord with the aims and aspirations and with the movement and the cause for the protection as represented by the organized farmers and industrial workers.

We deem it unnecessary in this report to enter into details in regard to different characteristics of the organizations of the farmers' unions and the labor unions. It is sufficient for us to know that we have a common policy and a common purpose—to safeguard manhood, womanhod and childhood in the glory of our humanity. We, therefore, confine ourselves to the recommendation of a few propositions upon which we can now agree and effectively co-operate to carry into effect the high and noble purposes for which we are organized.

First—In so far as the Farmers' Union and its constitution permit, we, for our organization and the great rank and file which we represent, pledge to our fellow-workers in industrial pursuits the best efforts we can exert in the end that their rights and liberties, in common with our own, shall be secured and maintained against any and all attempted encroachments.

Second— That the officers of the Farmers' Union be, and they are authorized and directed, to confer with the officers and bona fide organized labor movement of America,. with the purpose of carrying into effect the objects of our respective organizations—the protection and uplift of America's workers engaged in all fields of productive activity.

Third—That we will give our preference to the product of the industrial workers who manifest their intelligence to protect themselves by organization and urge the reciprocal purchase of farm products—the labor of union farmers.

Fourth—That our officers and legislative committees co-operate as far as our constitution will permit, with similar officers and committies of organized labor to secure such relief and reformatory legislation as may be necessary to the rights, protection and freedom to which the workers as men and as citizens are entitled.

Fifth—That without recourse to political partisanship, we join in the effort to secure larger representation in our national, State and local law-making bodies, of men who are engaged in the creative industries.

Sixth—That our efforts in the directions herein stated and indicated, shall apply to the country, the States and the municipalities, and that we co-operate with organized labor in every field of activity which may be fruitful of beneficent results to the American wealth producers, as far as is consistent with our constitution and charter.

The above agreement, it will be noted is by the Farmers Union. The other organization had practically affiliated with the American Federation of Labor back in 1907 and since then, and largely because of its labor union tendencies, it has been repudiated by nearly all its members and other farmers all over the country. The result is that it has declined from an organization, powerful for good, to a decided

Have you a keepsake watch that isn't keeping time?

Have you, stored away somewhere, an old heirloom watch that isn't giving any practical service? You can have it made into a modern timekeeper, without destroying its individuality or character.

We can make an old key-wind hunting case contain a modern, stem-wind, open-face movement without destroying the individuality of the old watch. Our charges for such service are very moderate.

If you have a watch in which you would like any changes made, write us a description of same. Each inquiry will be answered by a personal letter.

ELGIN NATIONAL WATCH COMPANY
ELGIN, ILLINOIS

$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K1867 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

Don't Wear a Truss

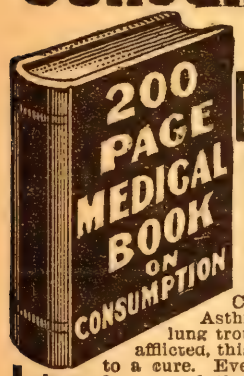
FREE STUART'S PLASTER-PADS are different from the painful truss and being self-adhesive they hold the rupture in place without straps, buckles or springs—cannot slip, so cannot chafe or compress against the pelvic bone. The most obstinate cases cured in the privacy of the home. Thousands have successfully treated themselves without hindrance from work. Soft as velvet—easy to apply—inexpensive. Guaranteed in accord with National Drug Law. We prove what we say by sending you Trial Treatment absolutely FREE

STUARTS ADHESIVE PLASTER-PAD — TRADE MARK REG'D — PATENTED SEPT. 12 1908

TRIAL OF TREATMENT

Write to—STUART PLASTER-PAD CO. Block 59 St. Louis, Mo.

Consumption Book FREE



This valuable medical book tells in plain, simple language how Consumption can be cured in your own home. If you know of any one suffering from Consumption, Catarrh, Bronchitis, Asthma or any throat or lung trouble, or are yourself afflicted, this book will help you to a cure. Even if you are in the advanced stage of the disease and feel there is no hope, this book will show you how others have cured themselves after all remedies they had tried failed, and they believed their case hopeless.

Write at once to the Yonkerman Consumption Remedy Co., 4131 Water Street, Kalamazoo, Mich., and they will gladly send you the book by return mail free and also a generous supply of the New Treatment, absolutely free, for they want every sufferer to have this wonderful remedy before it is too late. Don't wait—write today. It may mean the saving of your life.

PILES CURE--ETTO guaranteed SURE Cure. Quick relief. We mean a cure and furnish proof and best references. Our cure mailed sufferers FREE on trial. If benefitted pay $1.00; other wise pay nothing.
Home Treatment Association, Dept.50. Indianapolis, Ind

CANCER Try my cure and be convinced. Many have tried my free offer. I do the work. Write me for circular and testimonials. **DR. BRIGHAM**
18 WEST MARKET STREET, INDIANAPOLIS

When writing to advertisers don't fail to mention Up-to-Date Farming.

BED WETTING Cured. 25c Pkg. FREE C. H. ROWAN, Dept. 7 London, Can.

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

AGENTS WANTED
Good firms want reliable representatives. Are you interested? Read the advertisements in the Business Exchange under AGENTS WANTED

negative power, represented by a deceived membership of about 15,000.

Our only reason for referring to the meeting at all is to give the facts in contradiction to the claims that were and will be made. Many of our readers have asked us to publish a report of the meeting, besides the policy of this paper is to protect farmers from deceit and save them from making mistakes. You, no doubt have often heard this: "It is all over but the shouting."In this case it is all over but more lying about the meeting and what was done. So we again caution our friends, the farmers, to not believe everything they read and particularly to be careful in selecting a farmers organization.

It appears plain to us that no good can possibly come to farmers through such a combine of the producers and consumers made at St. Louis. One class can never raise up another but each must work out its own salvation. If farmers are to become free they must free themselves. The affiliation of the two opposite classes at St. Louis looks to us very much like a case of fox and chickens trying to live together in the same yard. Also we believe we can see the veiled hand of politics in the movement and Gompers' hope may be that the farmers will pull his coveted political chestnuts out of the fire for him.

But there is no reason for alarm by farmers or congratulations to organized labor. On the contrary we believe there is good reason to congratulate farmers all over the country on the outcome of the St. Louis meeting. It has served to make the true condition of the two societies known and at the same time has emphasized the fact that a sound organization with a practical plan of cooperation is needed more now than ever before. We wish space permitted to review the many speeches made at the convention that pointed out the needs of agriculture, and apply the principles of Equity and the plan of cooperation represented by the Farmers Society of Equity to the solution of the problems. Perhaps, in another issue we will do it.

LADIES SOCIETY OF EQUITY

UP-TO-DATE FARMING looks lonesome without notes from the farm woman's society, known as the Ladies Society of Equity. Much space is occupied by the Cadets. We are pleased to see this, and rejoice that the children readers of our noble national paper are interested in Equity. The farmers are the head and have first place in our paper, but it still needs the Ladies Society to come in and complete the Equity home. UP-TO-DATE FARMING is like an ideal home to which we all look for wisdom and guidance. Nor are we ever neglected or disappointed. We believe more farm women should write to UP-TO-DATE and become instructed in the Equity movement. We, of Michigan, are looking eagerly forward to see organization begin in earnest with our State and National organizers in the lead.

The Ladies Society has also a state organizer, Mrs. Martha Culbertson, from Centerville, Mich. Farm women write to her, and you will find her ready and willing to assist you, also for information, write state secretary, Mrs. Olive Bartholomew, East Jordan, Mich., or to the undersigned: Mrs. James Howey, East Jordan, Mich.

FORGET-ME-NOT LOCAL
M. L. S. of E.

We met with Mrs. Wm. Bennett on May 4, opening with prayer and Bible reading, Math. 24. Minutes of last meeting read and approved; committee reported, and lengthy discussions were held revealing the fact that many of our farm women are really becoming farmers themselves, and going into growing beans and fruit, as well as poultry, others are planning to grow flowers so that choice flowers can be found in many farm gardens. Plans will mature later for the sale of flowers.

New work taken up was to have a Bake Sale on Saturday afternoons in our town. Also a fine quilt is being made by the members, material is white muslin, and designs are embroidered in red. The local has several more fine articles for sale.

This was a most enjoyable meeting, and was finished off by a fine supper given by our kind hostess. The meeting closed in usual form with our closing words: "The Lord watch between thee and me in our absence one from the other." Next meeting of this local will be with Mrs. Mary Bartholomew, on May 18.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Agents Wanted

AGENTS: 100 per cent. profit. Monkey-wrench, plumbers plyers, with 13 other tools combined. Most wonderful combination of tools ever made. Lightning seller. Sample free for examination. Forshee Co., B, 1365 Dayton, Ohio.

AGENTS—Handy Hame Fastener. 200 per cent. profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

Farm Lands For Sale

CHANCE OF A LIFETIME. Let us tell you how to acquire an improved farm of 120 acres of richest soil in the world for only $500 cash; can be made to produce yearly cash rental of $750. 65 to 85 bushels corn per acre; alfalfa grows to perfection. Wilson Land Investment Co., Indianapolis.

FOR SALE—Central Wisconsin lands, $10.00 to $15.00 per acre. Badger State Land Co., Madison, Wis.

$2800.00 buys 151 acre farm, runnng spring water in house and barns, R. F. D., telephone. Good 9-room house, 3 large basement barns. All kinds of fruit. ¾ mile R. R. station, church, school and store. Write for description and other farm bargains. Valley Farm Agency, Owego, Tioga Co., N. Y.

160 ACRES—Eastern Colorado; all tillable. 163 acres 3 miles to Corpus, Tex.; deep black soil. J. Roth, Creston, Mont.

ROUTT COUNTY, COLORADO—Bargains in ranches and relinquishments; some good homesteads yet to be taken in this locality. Write us. Wright & Son, Yampa, Colo.

240 ACRES to sell. Good stock farm, six room house and barn. Write for particulars. Chas. Hewitt, Owner, Avery, Lincoln Co., Okla.

Fencing

UP-TO-DATE MOVABLE FENCE PANEL—You make it at home out of old material. Storm proof. Set a rod a minute. Mad River Fence Co., West Liberty. Ohio.

For the Home

RICE—100 pounds, beautiful, clean white table rice, delivered in double sacks, freight prepaid, to your railroad station, $4.60. J. Ed. Cabaniss, Rice Farmer, Katy, Texas.

Male Help Wanted

MEN WANTED—To try coming Railway Mail, Internal Revenue and Postoffice Examinations. $50.00 to $125.00 monthly. Common education sufficient. Political influence unnecesary. Candidates prepared free. Write immediately for dates of coming examinations in your neighborhood. Franklin Institute, Dept. T 27, Rochester, N. Y.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

"PATENTS THAT PAY"—Protect your idea! 2 books free: "Fortunes in Patents—What and How to Invent," and 61-page Guide. Free report as to patentability. E. E. Vrooman, 838 F St., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

HOUDANS OF QUALITY; Cockerels; Eggs, $3.00 per setting—half price after June 1. Geo. L. Flower 437 Jefferson St., Indianapolis, Ind.

15 EGGS 75c. Special summer price on Irvington Rose Comb Rhode Island Reds. Order from this advertisement. Irvington Poultry Yards, Irvington, Ind.

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

RHODE ISLAND REDS—Irvington Rose Comb strain. Finest on earth. Special for summer; 15 eggs for 75c. Irvington Poultry Yards, Irvington, Ind.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to M. George & Co., 95 S. Water St., Chicago. Established 1866. Member the National League of Commission Merchants of the U. S. This house has special terms to quote to members of the F. S. of E.

TAKE NOTICE—T. J. Hoover sells potatoes by the carload. Highest price. 344 Water street, Philadelphia, Pa.

Roofing

ROOFS, WRITE ME before buying roofing. Can save you money on every roll. Rubber, canvass and flint-coated roofing. I will tell you which to use on your particular building. Agricultural Oils. Catalog free. J. W. Mack, 249 Union Bldg., Anderson, Ind.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Greatest discovery of century. Send your name at once. KING NI-KO U, Wichita, Kansas.

It is easy to send an advertisement for the Business Exchange. Figure cost at 6c a word. This is only what some farm papers with half the circulation charge for classified advertising. Send order below. If desired send us description and we will prepare announcement. DO IT TODAY.

ORDER FOR BUSINESS EXCHANGE

UP-TO-DATE FARMING, *Indianapolis.*

Please insert my advertisement.....times, beginning with the next number. I enclose $.....being at the rate of 6c a word for each insertion.

Write advertisement or description below. Sign name and address on margin.

.....

.....

.....

Make $3,000

A Proposition direct to You

I offer to sell you 10, or 20, or 40 acres of land for $25 per acre, payable $1 per acre cash, balance 50 cents per acre per month, without interest, and you can take possession and farm it, when you pay the first dollar. I propose to convince you that,

You

can make $3,000 in 3 months on 20 acres of this land. In order to convince you, I obtained statements from reliable citizens not only of this immediate section, but of other sections of Florida.

Now it has been claimed that people who get up advertisements write their testimonials to suit themselves, so here is my direct offer to **you.** If you will come to Chipley from any point in the United States or Canada, and I, upon request, fail to show you these statements, of these reliable citizens of Florida who made them, I will pay to **you** in **cash** $1,000, and a sufficient amount of cash to cover your round trip railroad fare from any point in the United States or Canada.

Now, regarding my reliability, my responsibility, and my word. I refer you to the First National Bank of Chipley, and also to the Chipley State Bank and for further reference you may write any citizen of Chipley and if you wish still more reference, please see page 7 of our booklet, where you will find statements from bankers who have known me 10, 20 and 30 years, and from one banker in my native town who has known me all my life.

W. J. Willingham
President Florida Land Co.

"Just figure it out"

We can prove to your entire satisfaction that sweet potatoes retail in the large cities for $1.25 to $1.50 and, that you can raise a crop of sweet potatoes and two other valuable crops on the same land during the same 12 months. We can prove that you can raise 400 to 500 bushels of sweet potatoes per acre. Please read the following statements.

650 bushels per acre

Mr. A. J. Hinson states that his "average yield of sweet potatoes is 450 to 500 bushels per acre, but that he has raised as high as 650 bushels." We have this statement over his signature. Now, it's easier to raise sweet potatoes than corn, but, granted it costs the same, this is equivalent to thirteen hundred (1300) bushels of corn to the acre, figuring at 50c per bushel, and potatoes at $1 per bushel. Then you can raise **two other crops** of other truck on the **same land** during the same 12 months.

500 bushels per acre

Mr. D. T. Haddock states, over his signature that he "has raised 500 bushels of sweet potatoes per acre." Now the great advantage in raising sweet potatoes is, they are so easy to cultivate and gather, and are such hardy shippers. They can be handled almost as roughly as coal, and a mere boy can raise them. It is such an easy crop raised, while great care is required in cultivating and shipping some some other vegetables.

522 bushels per acre

Mr. M. F. Glover states that he has raised at the rate of "522 bushels of sweet potatoes to the acre"—same as 1044 bushels of corn, figuring corn at 50c per bushel and potatoes at $1. Remember, sweet potatoes are just another name for "meat." If there is anything in the world which will build up pork as rapidly as sweet potatoes, we are anxious to know what it is. You know you can **always** sell meat, and the price of it is advancing all the time.

Anxious for your success

If you come to Chipley, we want you to succeed; your success means our success. That is why we take particular pains to insist that you plant sweet potatoes first of all, until you learn how the other vegetables are produced which require so much more care. No matter how inexperienced you are, we can help you to make a success raising sweet potatoes, because we are going to "'specialize" on this product. It's all right to grow the other vegetables a little later, but we want to get you **started** right.

Other vegetables

We could talk about Irish potatoes just extensively as we have talked about sweet potatoes. We could write a volume on the possibilities of the Bermuda onion. It is impossible in this advertisement to do justice to all the vegetables which grow here successfully and profitably. If you wish to know about any one in particular, we suggest that you write us in regard to same.

Fruit

It would be as useless for us to tell you that you could raise nearly every known fruit here , as it would be for us to tell you that you can buy nails at a hardware store —everybody knows that. That's a subject which would require a ream of paper to tell you all about, so we will pass on. The chief objection to fruit raising is, it takes so long. We are after providing homes for deserving people who haven't money enough ahead to wait several years for fruit trees to grow.

Poultry

Five years ago a Northern settler, with very little money, located near Green Cove Springs, Fla., and started in the poultry business. Today he has about 3000 chickens and receives $13,500 annually alone eggs alone. The tourist hotels of Florida furnish a great demand for eggs and poultry. Not so much capital is required for this business, and the winters being so mild very little housing is required.

Cotton and Corn

This is excellent cotton and corn land, and while one man made over 92 bushels of corn per acre here last season, yet we must admit that it will not produce corn like Illinois land. When it comes to cotton, though, it is **fine.** It's very much like the land around Valdosta and Tifton, Ga., when it comes to producing cotton. However, we do not advise anyone to plant cotton when so much can be made raising vegetables.

Peanuts

This crop is usually planted between the rows of corn, and when the corn is gathered, hogs are turned in on them for fattening, thus saving the cost of gathering and feeding. This is one of the very cheapest methods of fattening hogs.

Pecan Nuts

If you will take the trouble to investigate, we believe you will agree that a pecan orchard is one of the most profitable forms of investment. A grove once established is good for a hundred years. You need never rush to gather, or sell your crop. You have a year in which to sell the nuts, and the world for a market. We can show you a single tree here in Chipley which bore 100 pounds this year. Of the many horticultural products adapted to our Southland, the pecan is attracting great attention, both from the small planter and the capitalist. Pecan crops are sure and the land on which pecan orchards are raised is used to produce regular vegetable or other crops between the rows while the trees are coming into bearing.

Live Stock

Here cattle and hogs are fattened at a very little expense and stock raisers here have a wonderful advantage. The reason for this is plain: Stock must have a balanced ration—a ration made up of flesh forming and fat producing substances. This district produces the crops of the North, and in addition, the semi-tropic crops, most valuable among which is Cassava and Velvet Beans. It is estimated by some of the highest authorities that these two products are the most economical stock foods grown, and that they will fatten hogs at one-third what it costs the man who feeds corn. The photograph of Cassava used by the L. & N. railroad in its literature was taken on a farm two miles from Chipley.

Sugar Cane

We defy Louisana or Cuba to produce a finer quality of syrup than is raised here at Chipley. From 8 to 15 barrels of cane syrup is produced here per acre, and has a value of $12 per barrel.

Write for Our FREE Booklet and read the FACTS. We only ask that you read the FACTS—that's all. Florida Land Co., Box 575, Chipley, Fla.

Let Me Pay The Postage On This Big Book To You



H. C. PHELPS
President—Manufacturer

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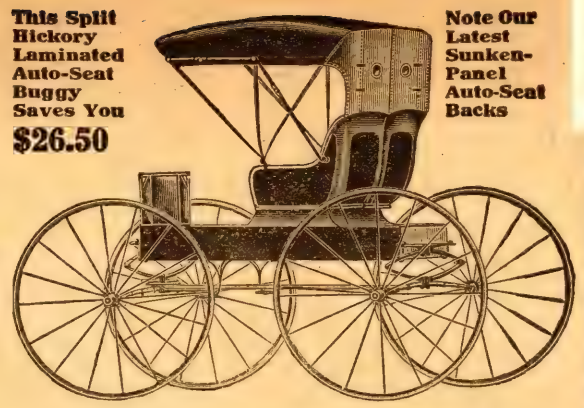
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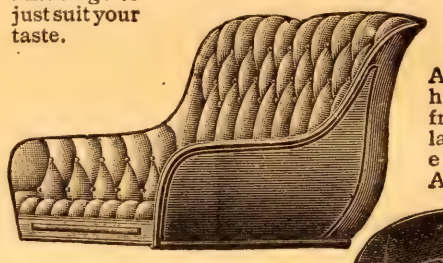
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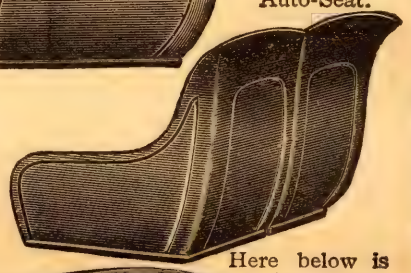
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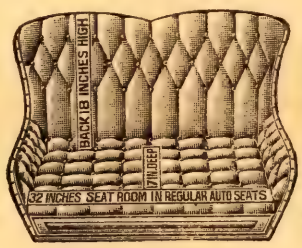
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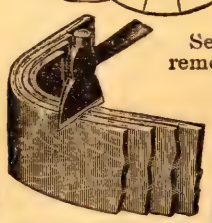


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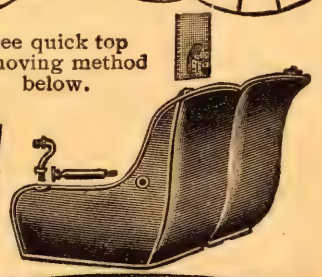


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Volume XIII | INDIANAPOLIS, INDIANA, JUNE 1, 1910 | Number 11

PRODUCE EXCHANGES vs. THE EQUITY SYSTEM OF MARKETING FARM CROPS

John C. F. Merrill, Vice-President, Board of Trade of the city of Chicago, wrote a series of four articles, "Study of Economic Functions in System of Production and Distribution," which were originally published in "Chicago Commerce" in March and April, 1910. Later the articles were printed in pamphlet form for general distribution.

The subject was considered under four heads as follows: Article I. "General Outline of the Functions of the Produce Exchanges in Modern Commercial Life." Article II. "Buying and Selling for Future Delivery." Article III. "Speculation." Article IV. "Exchange Evils and their Cure."

Naturally the purpose of the article was to justify the continuance of Produce Exchanges and Boards of Trade as they exist and to counteract the efforts directed through congress to close them or confine their operations to dealing in the real commodities.

In view of the mission of Up-to-Date Farming to establish a sound marketing system for farm crops, that will eliminate the evils of the old system and make farming as definite and certain for profits as the best regulated busines in the country, we assume to reply to Mr. Merrill's article. We will compare the present produce exchanges and their system of price making and marketing crops, with the Equity System that we are establishing and leave it to the reader to decide between the two.

We will not quote all of Mr. Merrill's article as, for comparison that will be quite unnecessary. We will say however, that we will not omit anything that will make what we do quote less clear, or pervert its meaning.

In this number we will consider Article No. 1, and follow with the other three articles in succeeding numbers. First we will print the quotations and then follow with our criticisms, comments and comparisons.

ARTICLE I—GENERAL OUTLINE OF THE FUNCTIONS OF THE PRODUCE EXCHANGES IN MODERN COMMERCIAL LIFE

Mr Merrill says:

1. * * * In this and the several succeeding articles an attempt will be made to explain clearly the reasons for the conviction that the operations upon the Board of Trade of Chicago, which is typical of all legitimate produce exchanges, are not a menace to society, nor even a necessary evil, but, on the other hand, are of incalculable benefit to the commercial world.

2. * * * The first question that naturally arises in an inquiry of this kind is, what a produce exchange is, and how it came to be such a conspicuous factor in the grain and produce business?

3. * * * A produce exchange, such as the Chicago board of trade, is nothing more or less than a great central market for the buying and selling of grain and provisions. The board of trade itself transacts no grain or provision business. It is simply a meeting-place for buyers and sellers, an institution maintained by nearly 1800 brokers for the single advantage that thereby time and convenience may be saved in the execution of orders to buy or sell grain or provisions.

4. * * * It is not contended that it would not be possible to market grain if every exchange were closed. * * * Even without the exchange a broker could sell a consignment of provisions or grain by traveling the length of South Water Street, or communicating with several hundred millers or grain dealers throughout the country.

* * * *

5. * * * The nineteenth century, with its tremendous expansion in the area devoted to the production of grains and cotton and the revolution in agricultural machinery, created a vast surplus of food supplies after local demands had been met. The marvelous increase in the means of communication made possible the creation of a world market for this vast surplus. The only thing needed was a market at which buyers and sellers throughout the World might meet in person, of by representative and satisfy their demands.

6 The necessity of bringing buyer and seller together, to market this vast surplus of grain, provisions and cotton resulted in the establishment and maintenance of the modern produce exchanges, and until some better method is evolved their destruction cannot fail to result in the paralysis of the vast produce trade of the world.

7. The undue prominence given to the operations in the "pit" has somewhat obsecured the fact that the basic principle of the exchange business has to do with what is known as the "cash" transactions, and the buying and selling of grain for future delivery. At the present state of commercial development the latter is absolutely essential and could not be dispensed with only with the greatest injury to producers and consumers, as will be shown later; but the primary function of the produce exchanges, from the date of their origin to the present time is performed upon the "cash grain" tables lining the exchange floor.

8. The distinction between the two methods, to wit, the "cash grain" business and buying and selling the future delivery, commonly known as "dealing in futures" lies simply in the time at which the title to the produce passes between the buyer and seller; in other words, the former, when completed, is a "sale," while the latter is a "contract to buy, or a contract to sell."

9. It is seldom realized that consignments of grain to a broker upon the exchange are bought and sold just as consignments of fruit to a South Water street merchant. The miller or grain dealer comes upon the "floor" either in person or through a broker, to buy, and there occurs the same contest of intelligence and skill, the buyer desirous of buying at the lowest price and the broker intent on getting the highest price for his client, as takes place in the buying and selling of all other commodities.

10. * * * At the end of every harvest the farmers have a surplus of many million bushels. It is thenceforth the province of the grain trade of this country to see that the remaining millions of our population (not producers) obtain this surplus crop for their sustenance at the least posible inconvenience and expense.

11. The storing, transportation and financing of this tremendous surplus, amounting in value to several billion of dollars, require intelligence, skill and experience that there may not be confusion and loss to both producer and consumer in the process.

12. It is right here that the splendid utility of the exchange is seen. The products dealt in, in as much as they have a universal demand, and within certain limits, are non-perishable and permit of uniform grading, have, by virtue of modern means of communication, a world market. The problem then is to move the crops from localities where the suply is more than sufficient for local need and sell them where there is a scarcity.

13. This movement is accomplished by the exchange in two ways: First, by the collection through every hour of the day of accurate statistics as to the actual source of supply in the different parts of the world, and secondly, by the determination of a price as the result of the independent judgment of buyers and sellers based on the known supply of grain as contrasted with the commercial demand.

14. As a result of these two influences, the great surplus crops of not only this country but of the world move like the movement of bodies in response to the law of gravitation from the localities of plenty to those of scarcity.

15. The service of the produce exchange in the collection, at enormous expense, of data of the world's receipts and shipments of grain, the supply in all the primary markets of the world, the visible supply in store and afloat, the quantities involved in the export movement, the quantity of incoming cargoes and much other information of vital interest to the grain and provision trade, is not performed for members alone. By the diffusion of the facts obtained through the press and other news agencies it is soon the property of the reading public—the producer, manufacturer and consumer, as well as the trader. Both buyers and sellers thereby are in possession of equal information and the chance of one "overreaching" the other is impossible.

16. If it were not for this invaluable service a farmer would be completely at the mercy of an unscrupulous factor who might tell him that the crop yields of Europe were tremendous, that the prices of grain in consequence were rapidly falling and that he should sell today at a certain price to avoid further loss. As it is now, the farmer would merely have to

(Continued on page 2.)

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turn to his daily paper, or communicate by telephone or telegraph with his nearest legitimate broker to ascertain the true facts.

17. Upon the collection and diffusion of this invaluable information the way is open for an honest, and it would seem fair determination of the price of all commodities dealt in upon the exchange. If it is not the perfect method, it at least has the virtue of being the best system that experience and keen business judgment have yet devised. The price for wheat today represents the point where the opinions of buyers and sellers meet in their analysis of the crop conditions as revealed by the statistics, the former being willing to pay so much rather than run the risk of a rise at a future time, the latter judging that it would be safer to sell now than risk the chance of a break in price at a future time. The *opinions* of buyers and sellers in any market do not create prices. They merely determine the price already fixed by the law of supply and demand.

18. In this respect the operations upon the exchange floor are not unlike, in substance, an ordinary auction where the price that an article brings is determined by the demand of the bidders for the article being sold.

19. If it were not for the performance of these two functions by the produce exchange—the collection and dissemination of accurate and comprehensive statistics and the determination of prices as the result of free play of individual opinions in the light of these statistics—the ruling price would represent nothing more than the status of the supply and the demand at one local point.

20. * * * During the time when there was a wide competitive market for tobacco among the factories throughout the producing area, prices were not only reasonably stable, but remunerative to all concerned. When the tobacco trust accomplished the destruction of such a competative market, and substituted in its place a single buyer at every centre, industrial chaos and political anarchy were the direct results.

21. * * * Two other features of the work of the Chicago board of trade, however, should be noted in passing—the superb system of inspection and grading, and the other of no less importance, that of weighing and supervision. By the oueration of these two departments the buyer and the seller are guaranteed a square deal, both as to quality and the quantity of the grain which changes title.

THE EQUITY SYSTEM COMPARED WITH THE EXCHANGE SYSTEM

1. It is not our purpose to prove that the present exchange or board of trade methods are a menace to society, or necessary evils, nor that they are not of benefit to the commercial world. We can ignore all such claims made by their enemies and their friends, but we will attempt to prove that the Equity System will do far more than the old one ever attempted, correspndingly benefitting the commercial world and in no respect can any evil effect follow its establishment.

2, 3, 4, 5. See the brief description of the Equity System of Marketing on this page and compare it with the exchange system. One headquarters where all the available supply, and all the demand is daily recorded against a hundred or more boards of trade where only a very small fraction of the supply and demand are represented any day. The Equity System bringing every would be buyer in almost instantaneous touch with the nation's supply, guarantees that their needs will be supplied at a price proof against fluctuation, shipments from the nearest producing points by the most direct route and at the minimum expense. The exchange affords merely a place for the buyers to meet a few brokers whose chief concern is to produce conditions that permit them to take advantage of the necessities of the producer to sell and the consumer to buy, while the Equity System enables the buyer to place his order without leaving his office and he will know that no person will buy a like grade for less because there will be only one price.

6. In the Equity System a better system of marketing has been evolved and if Mr. Merrill's claim was ever true, that the destruction of the exchange system would result in the paralysis of the vast produce trade of the world, it cannot be pleaded now when the new system is ready to take its place.

7, 8, 9. In the Equity System there will be no "contest of intelligence and skill" to determine whether the buyer or seller gains an advantage over the other. On the contrary the prices are set by the farmers (By their authorized conventions or other representatives) and they are fair equitable and profitable prices to the producers and fair and equitable to the buyers and consumers. The buyer will have no fear that the price will be lower next week, hence will buy with a freedom not known when the future price was a pure guess, gamble or speculation and in control of the very brokers he was expected to deal with.

10. True, in the past the self-appointed grain trade has assume to take the farmers' produce off of his hands and pass it on to the consumers by methods, on terms and at prices, of its own making. In the past farmers had nothing to do but work 15 hours a day to produce all they could and then turn it over to the "grain trade" at whatever it pleased to pay, and the grain trade very generously saw that "the millions of our population (not farmers) obtained the surplus crops for their sustenance" at prices of its (the grain trade's) making. But with the Equity System, while farmers will still employ some of the "grain trade," they will decide the system of passing their crops along and will have much, if not all to say about the prices to be charged for the service.

11, 12. There is nothing impossible in this for the farmers to do. The brokers must have the farmers produce before they have the basis for credit to get money from the banks. It is just as good security when still possessed by the first owner. If farmers do not dump their crops the storage houses will be empty until filled by the farmers. Perhaps in no feature of the business will the advantage of the Equity System be more apparent than in transportation. By the new system we will know where all the supply is and where all the demand is. Knowing these two things it will be a simple operation to send the supply straight to the demand.

13, 14. Boards of trade do not gather complete crop reports and at no time do they know the supply ready for market, nor where much of it is. Their method of price making is the most abominal feature of the whole septem, as it must be since prices fluctuate nearly every minute and sometimes several times a minute. The effect, even if like described in paragraph 13. is far from what the legitimate commercial interests need. To illustrate: It was only this year that the exchange system first attracted cotton from this country to Europe, to be later drawn back to New York when speculation proved the magnet. Many times the exchange system has drained Kansas of wheat to be stored in New York City or other Eastern markets only to be returned to Kansas to meet the later demands of the millers in that state; or attracted Dakota wheat to Duluth or Minneapolis which was later returned to be ground in flour to feed the citizens of the state that produced it.

Mr. Merrill says: "The price is determined as the result of the independent judgment of buyers and sellers based on the known supply of grain as contrasted with the commercial demand." How can he reconcile his claim to the facts as expressed by the Chicago market report of May 23, '10, as follows:

> More than a million bushels of wheat were thrown into the pit at the first tap of the gong today. Such tactics repeated throughout the session and following a decided break Saturday demoralizing the market. Foreigners assisted in pounding down prices. May wheat was 4 cents off at one time, but closed with a net loss of 2½ cents.

The explanation given for the action of the market was favorable weather in Kansas and an **unofficial** estimate of a 66,000,000 bushel crop in that state; also it was stated: "Experts who re-examined the Hessian fly infested district in Illinois asserted that in very few cases had there been any actual damage yet.

This shows how prices are made by the exchange system and they are not based on the known supply based on the commercial demand, or the whole supply compared with the whole demand as in the Equity System. The more than a million bushels of wheat thrown in the pit Monday morning, May 23d, was not wheat at all. It did not represent supply, and the people who bought it did not represent actual demand to grind and bake and consume. Even foreigners took a hand in the game of making prices for our farmers' crops that were grown a year previous and under conditions different from what prevail this year.

15. The Equity System will gather far more in the way of statistics of suply and demand than the exchange system can, at only a small fraction

(Continued on page 4)

The Equity System of Marketing Farm Crops

The System that tells every producer WHEN to sell, WHERE to sell and HOW to sell to secure profitable prices



THIS is a county map of the United States, each little division represents a county. There are about 2,500 agricultural counties in the country. When a county is organized in the Farmers Society of Equity the county union will know the shipping supply of all farm crops ready for market, or to be ready, in that county, every day. Then, if every county has something to ship every day a complete report of all supply, in county units, can be recorded at headquarters, Indianapolis, Ind., at an expense for telegrams of $1200. (Fifty words can be telegraphed from the extreme points of the country for $1.00, from near points for 25 cents. The average report will cost about 50 cents.)

The Equity System of marketing also provides for an office in every considerable market. As all the supply will be represented at headquarters and directed from there, it follows that any dealer or consumer wanting any farm crops must place his order with the society's representative in his city. This will be done in all markets and the society's representatives will telegraph, telephone or mail the demand to headquarters daily.

In this way all the demand in market units, and all the supply in county units will be known at headquarters and it will be a simple clerical operation to apportion the demand to the counties having the supply. The county union will then apportion its share to the local unions in the county and the secretary of the local union will attend to the business of the members.

The straight lines diverging from Indianapolis (see map) are represented as terminating at county unions. The cost of sending a report from the counties in California and Washington is $1.00; from Texas is 60c to 75c.; from Ala., Fla., Maine, N. D., Colo., etc., is 60c.; from Carolinas, Va., N. J., N. Y., Wis., etc., is 50c; from nearer points 25c to 40c. The cost to send shipping instructions from headquarters will be the same.

Some of the advantages of the Equity System are in the facts that it easily, quickly and cheaply records *all the shipping supply* of farm crops in the country, ready on any day or to be ready, where it is and on what railroad it can be shipped. It also records *all the demand* for any and all crops and where it is. It will positively prevent gluts on any market and guarantee to all markets their share of supply. It is the only way to guarantee profitable prices to producers for all they market, and will save to the consumers about 25 per cent of what they now for food.

We cannot explain the system fully here, but don't conclude that it is impractical. It is the simplest and most practical of any system ever devised for any large industry and you will agree if you will investigate. Send the coupon and 10 cents for the 64 page book, Farmers Industrial Freedom and Supplement.

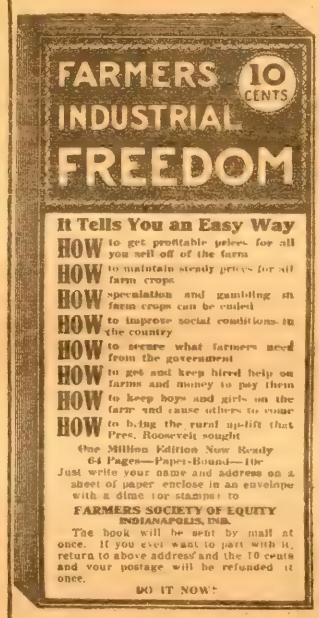
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Farmer's Unions And Labor Unions

THE strong are very likely to oppress the weak. It has been so since the world was populated either by man or beast. Among men money, or the ability to control it, usually represents strength. Those who own or control money are the principal employers of labor. They are, therefore, stronger than the laborers, and have been too prone to oppress labor. Hence we have always been glad when any proper means have been devised to equalize the strength of these two classes and prevent the oppression of either. For this reason we were glad when labor organized, and on every occasion labor organization has had a kind and sympathetic word from us.

But as labor organizations become strong, and even balanced the power of the employing class, methods were adopted by the unions which showed the same disposition to oppress. The same spirit of tyranny manifested itself, and too often as little regard was paid to the rights of the employer as had been paid by the latter to the rights of the laborer. This was an abrupt departure from, or disregard of, Equity, and could not have our approval.

In the farmers' struggle for equity and fair treatment, organization is just as necessary, and, as our readers know, to that side of organization, and purely for that purpose, we have dedicated our life work. But when farm organization goes to the opposite extreme, and becomes an inequitable oppressor, as organized labor has too often done, we must condemn the extreme in the one just as we have condemned the extreme in the other.

Our readers know that this was the principal cause of the breaking away of a faction of the Society of Equity in 1907. UP-TO-DATE FARMING opposed inequitable plans and methods of some of the then leaders, refused to follow them into strange camps, and exposed their manifest purpose to land the farmers into ways and processes that were not their own, and that could bring them no good results.

But it now seems that the leaders who broke away, after two years of aimless wandering, during which they have done no good for themselves or any one else, have walked into another organization, and boldly announced their union and affiliation with the Federation of Labor. Of course, the inner working of the organization is not made public, but enough is told to show that the farmers may be involved in matters not only entirely foreign to their purpose, but that may become embarassing and disastrous. It is well known that when one labor union strikes others must strike in sympathy. The agreement of union between the farm and labor organizations, so far as published in the city papers, declares, "we, for our organization, and the **rank and file** which we represent, pledge to our fellow workers in industrial pursuits (the labor unions) the best efforts we can exert to the end that their rights and liberties, in common with our own, shall be secured and maintained against any and all attempted encroachments."

No stronger agreement exists between the different labor unions, and when one union strikes and quits work for any "attempted encroachment," real or imaginary, the other labor unions must do the same or lose their standing and become "scabs." We do not oppose that idea of fidelity of organization. It is necessary to success. Organized bodies must stand by each other to succeed.

But such affiliation between farmers' unions and labor unions is entirely inconsistent. Farmers in their business cannot strike, and they will not, no matter what unfortunate and misguided leaders may argue for "rank and file which they represent." Such leaders will no doubt contend that they do not mean it to go that far, but it goes far enough to include a pledge of "the best efforts we can exert," and let a general strike come and then "the rank and file which we (the leaders) represent," will very soon learn the meaning of the words as understood by the labor unions.

We are glad the real equity society is not mixed up in any such embarrassing and inconsistent combination. The Farmers Society of Equity allows no one to excel it in sympathy for and aid to every legitimate effort to improve the condition of honest labor, but we have a distinct work before us, a distinct system of wrongs to make right, a distinct class of problems to solve, and we cannot sacrifice our distinct purposes in the indefinite and doubtful interest of other people. This is what we said in 1907 when the purposes above accomplished, or attempted to be accomplished, were denied, and we say the same thing now, only the more firmly convinced that such union is impracticable, ill-advised and will be disastrous. We are glad the Farmers Society of Equity had nothing to do with it, but stands today where it stood when the true doctrine of equity found a lodgement in the hearts of the people, and surprised and confounded the speculative trusts and the bulls and bears of the exchanges.

Marketing As Important As Production

WE have often referred to the fact that agricultural teachers and speakers expend their energies and eloquence on the arts of production, and continually urge more production without any reference to, or apparent knowledge of supply, demand or price. It is encouraging, therefore, when someone breaks their one-sided monotony and takes up the "better half" of farming, the marketing half. Dr. Spillman of the Department of Agricultural, in a recent address did that. In the usual production strain, he is reported to have said:

"The farmers, native or city bred, don't need financial aid so much as they need professional advice, and this the government is glad to furnish them as fully as it can. When this may mean a difference to the farmer between 160 or 1,000 bushels of potatoes from the same patch of ground, and just this crop increase has been made, the farmer begins to realize what good business it is to get in touch with experts and learn from them all that he can."

But Dr. Spillman did not stop there as most of his class do. He is reported to have continued thus:

"Such a plan as this will, of course, include some co-operative way of marketing the products, for otherwise the middleman class will take such a great and unfair proportion of the selling price that there will be little left for the man who planted and hoed and harvested—the man who should get the lion's share.

"This thieving middleman class has been largely responsible for the fact that we are raising 23,000,000 barrels of apples now instead of 69,000,000 we used to raise. This marketing condition can be remedied, and it will be. Farmers, railroads and ultimate consumers all will reap the benefits. People who are wiling to help each other can accomplish anything."

If all farm instructors would add that to their teaching what a wonderful impetus would be given to true agricultural progress, and how soon would be solved the problems that have made farming an uneven burden since men began to "buy and sell and get gain."

And the solution is so easy. Simple organization and co-operation in lines of the farmers own business. It does not mean the running off after strange gods, the taking up of the business of others, and the attempted solution of intricate questions that do not pertain to farming at all. The farmer must buy and sell, and his interests are involved in both of these; but his profits are in his selling. If he does that well he need not fear but that a way will be devised for the proper doing of the other.

A BIG CORPORATION PLANNED

TWO years of failure is not enough to satisfy some people. We learn from the papers that some of those who in 1907 repudiated all of the Society of Equity except its name, took steps at the St. Louis meeting to revive their million-dollar corporation scheme. So far as our information extends, and we have been very watchful of their entire proceeding, every attempt made by them during the two and a half years that have intervened since the 1907 convention, either to form the big corporation or to establish exchanges, was an egregious failure. We regret it, for we want results to the benefit of farmers no matter from what source they come. But we are sorry for people who will not learn even from experience, and we pity those who may be victimized by such people. The Society of Equity was not established merely to furnish certain persons jobs that they did not have before, but to relieve farmers from the evils of wrong marketing systems, which of course can be better done through the established channels of trade than through the creation of new channels which can be successful only in a fight to the finish and after they have utterly destroyed all that now exist. But when we consider how many "jobs" the great corporation and the new exchanges would bring with them, it is not at all surprising that there are those who favor them, especially when the capital is to be furnished by some one else.

Controlled marketing does not require capitalized corporations, nor does it need exchanges patterned after the very concerns against which our just complaints are made. If grafted on the same old roots, they will bear the same fruits. It does not make a pill sweet to call it candy. A child may be deceived by it once, but not twice. It makes the devil not a whit better to call him an angel. Farmers must not be deceived into jumping out of the frying pan into the fire. If the exchange system has manipulated the markets and forced down prices, it is little use to expect the same sort of machines, propelled by the same power along the same road, to do any different. We do not live in the days when the fabled hunter "jumped into a briar bush and scratched out both his eyes; then jumped into another bush and scratched them in again." The farmer that relies upon the hair of the dog to cure the bite will continue to nurse a sore. Relief to the farmer must come through reverse action, simple, uncomplicated, and without capitalized corporations.

We need scarcely refer to the times when farmers have been pesuaded to put their money in such concerns only to be beaten. They found it easy to put it in, but very hard to get it out. It will continue to be so in all such schemes. The farm problems must be solved, as true equity has always proposed it, not by schemes to buy to sell again. Farmers need not buy their own products. Their problem is to sell, and to sell only at prices that remunerate them. Why should they hire somebody to buy their stuff, and then furnish the money to pay for it? "A word to the wise is sufficient."

Mr. J. A. Everitt, Editor.

I am delighted with the grandeur and wholesomeness of the teachings of UP-TO-DATE FARMING, especially the recent issues exposing the false teachings of some alleged farmers societies. It seems to me that there is much important truth kept back from us farmers and we need a paper like yours to prevent us from being led astray and making serious mistakes. Continue to give us the truth and expose false leaders and teachers to their own shame.—J. O. Thomas, Albany, Texas.

PRODUCE EXCHANGES VS. THE EQUITY SYSTEM OF MARKETING FARM CROPS

Concluded from page 2)

of the expense. Notwithstanding the "enormous expense" of collecting the exchange data its "diffusion of the facts" result, not in steady, dependable, stable prices, but in constantly unsettling the market, and produces the ideal conditions for "one overreaching the other."

16. Mr. Merrill's explanation may be accepted by people who never raised any crops to sell, but never by the practical farmer. We have yet to see the first item of dependable information as to when to sell farm crops in the daily papers, while "the legitimate broker" knows no more about future prices than the farmers do, or if he does he keeps it to himself.

17. The diffusion of this information if it has any effect at all, and we admit it has, results in frequent and oftimes violent fluctuations of prices. Every frost, every hot wave, every rain, every drought, every invasion of bugs, worms or grasshoppers, even though they have no effect on the final yield of the crop is registered by the exchange system and sent out to unsettle prices. Every large delivery, or the opposite; every liberal shipment or the reverse; every increase or decrease in the visible supply as recorded by the exchange system unsettles prices although the supply and the demand remained exactly the same. Prices determined in this way are not fair prices. Mr. Merrill says: "The price of wheat today represents the point where opinions of the buyers and sellers meet in their analysis of the crop conditions revealed by statistics." We say the price of wheat should be determined by the amount of toil, investment and skill required to produce it; or in other words the price should give the farmer reasonable wages, a fair return on his investment and a profit such as is taken by people in other lines of business. Also the price of the 1909 crop should not be affected by the conditions obtaining when the 1910 crop is growing.

18. If what Mr. Merrill says is the truth then we cannot think of any stronger argument than this against the exchange system. What farmer is willing that his produce be thrown on the auction counter while every other commodity is priced by the producer, or maker and the price must be paid or no transfer of ownership can be made.

19. Not so. The Equity System can be substituted for the exchange system and there will be a uniformity of values and prices all over the country that will not be possible to secure in any other way. Then the difference in price of the same grade of a crop, at two points, will be represented only by the difference in cost to get it to market.

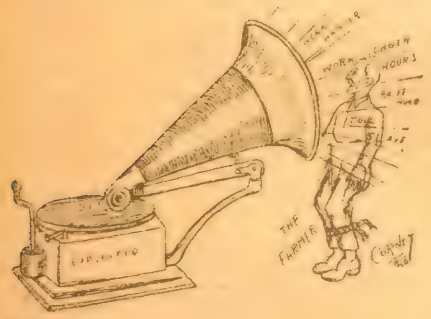
20. The illustration Mr. Merrill makes with tobacco is a most unfortunate one for his system and fortunate for the Equity System. We may admit all he says, but he failed to state that later the tobacco growers organized and adopted the Equity plan with the result that they are receiving the highest prices since tobacco growing became an important industry in the country.

21. It is popularly believed that millions of bushels of grain are bought as low grade and sold as high grade. Also it has been found that in a year a million bushels of grain was shipped out of an elevator more than was weighed into it. These may be mere incidents and not worth noticing in the study of economic functions of produce exchanges in system of production and distribution; or they may have occurred outside of the jurisdiction of the exchange. But if the exchange system is to have the endorsement of the farmers it must be able to remedy all, or many of the evils that still exist in marketing farm crops. The Equity System is submitted and we are willing that it be put to the same test.

In our next issue we will consider Article II, "Buying and Selling for Future Delivery."

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



THE features since our last report are good rains and favorable weather conditions for growing crops over nearly all of the country, and lower prices for most staples.

While the weather has been good for the 1910 growing crops and the prospects for a good wheat and grass crop have improved, we are unable to figure out any advantage for the farmer, because the price of what he has of the 1909 crops on hand is lower and the new crops are being priced down even more than the improved prospect seems to justify. The exchange system of marketing and making prices never takes the farmers into account. If the season is a poor one, he loses in the volume of his crop; if a good one, the market system takes it off of the price.

The Government crop report for May places the area of winter wheat to be harvested at 29,044,000 acres, which is 714,000 acres more than was harvested in 1909, and the condition at 82.1 per cent compared with 83.5 on May 1, 1909, and a ten-year average of 86.7. Of the heavy producing States, the lowest average is in Kansas, 65 per cent, and the next, Nebraska, 67 per cent. The average condition of hay lands was 89.8 per cent, compared with 84.5 on May 1 last year, and a ten-year average of 89.5 per cent. Of spring plowing 80.3 per cent was completed by May 1, compared with 64.1 last year, and a ten-year average of 66.0. Of spring crops, 65.0 per cent were planted by May 1, compared with 51.9 the year before.

Wheat is 5 to 10 cents lower than two weeks ago, and about 20 cents a bushel lower than a year ago. The New York cash wheat market being the lowest of any we report on. Spring wheat is 4 to 5 cents lower, corn is 4 to 5 cents lower, and oats 1 to 3 cents lower. All future months for wheat are now below the dollar mark, corn around the 60-cent mark, and oats in the 30's. Old potato prices failed to show much improvement and they will soon be out of the market, their place being taken by the new crop.

The price of cash hay has suffered because of the good weather and is about $2 a ton lower. Hogs are lower, but still command all they are worth compared with other values.

The following figures tell the market story:

VISIBLE SUPPLY.

The visible supply of wheat in the United States, by Bradstreet's reports, on May 14, was 27,877,000 bushels. That was 4,359,000 bushels less than two weeks before, 752,000 bushels less than a year before, and 1,933,000 bushels more than two years before.

The visible supply of corn on the same date was 14,247,000 bushels. That was 4,090,000 bushels less than two weeks before, 10,440,000 bushels more than a year before, and 8,017,000 bushels more than two years before.

The visible supply of oats on the same date was 11,255,000 bushels. That was 51,000 bushels less than two weeks before, 105,000 bushels more than a year before, and 613,000 bushels more than two years before.

The visible supply of barley on the same date was 3,065,000 bushels. That was 734,000 bushels less than two weeks before, 52,000 bushels more than a year before, and 613,000 bushels more than two years before.

COTTON—The aggregate world's visible supply of American and other cotton for the periods shown, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	May 13, 1910.	May 6, 1910.	May 14, 1909.
American ..	173,257	2,281,197	3,258,523
Other kinds .	1,178,000	1,192,000	990,000
Total	3,351,257	3,473,197	4,228,523

Price of Cotton.—New York, May 23: Middling uplands, 15.40c; middling gulf, 15.65c.

CASH PRICES OF GRAIN

The closing prices of cash grain in the principal markets, on May 23, were as follows:

CHICAGO—Wheat, No. 2 red, $1.09@1.11; two weeks before, $1.05@1.17½. Corn, No. 2 white, 63@63½c; two weeks before, 66@66½c. Oats, No. 2 white, 41¾@42¼c; two weeks before, 44½@45c.

ST. LOUIS—Wheat, No. 2 red, $1.12½@1.15½; two weeks before, $1.20. Corn, No. 2 white, 64c; two weeks before, 69@70c. Oats, No. 2 white, 41½@42c; two weeks before 45@45½c.

KANSAS CITY—Wheat, No. 2 red, $1.05@1.10; two weeks before, $1.08@1.12; No 2 hard, $1.08@1.12; two weeks before, $1.10@1.13. Corn, No. 2 white, 61@61½c; two weeks before, 65c. Oats, No. 2 white, 41@43c; two weeks before, 43@46c.

CINCINNATI—Wheat, No. 2 red, $1.12@1.16; two weeks before, $1.11@1.14. Corn, No. 2 white, 60½@61c; two weeks before, 64@64½c. Oats, No. 2 white, 42½@43c; two weeks before, 43@43½c.

NEW YORK—Wheat, No. 2 red, $1.10; two weeks before, $1.17. Corn, 67½c; two weeks before, 69½c. Oats, 45@47c; two weeks before, 46@48c.

MINNEAPOLIS — Wheat, No. 1 hard spring, $1.10½; two weeks before, $1.15. No. 1 Northern, $1.07@1.09½; two weeks before, $1.13¼@1.13½.

FUTURE GRAIN PRICES

Chicago futures closed May 23 as follows:

WHEAT—May, $1.08; July, 99¾c; September, 98¼c; December, 96¾c. Two weeks before, $1.15, $1.05⅝, $1.03¼ respectively.

CORN—May, 58⅝c; July, 60⅛c; September, 60⅞c; December, 56⅝c. Two weeks before, 61c, 62⅞c, 63⅞c, 58⅝c respectively.

OATS—May, 40½c; July, 38⅝c; September, 37⅝c; December, 38c. Two weeks before, 42⅝c, 40⅞c, 38⅞c respectively.

CHICAGO PRODUCE MARKET.

May 23, 1910.

POTATOES—The market for old potatoes held steady. On account of wet weather there was very little trading today. There was a good supply on track, and fresh arrivals were fairly large. What trading was reported indicated an unchanged market, yet some are said to be held for higher prices.

Arrivals by cars for week ending May 21, with comparisons, follow:

	This week.	Last week.	Last year.
Monday	*108	77	40
Tuesday	48	32	20
Wednesday ..	19	***55	12
Thursday	27	27	27
Friday	31	61	13
Saturday	**32	37	34
Total 6 days..	265	289	146

*Including 5,400 sacks by boat.
**Including 3,600 sacks by boat.
***Including 3,500 sacks by boat.

PRICES—Minnesota, Michigan or Wisconsin, good to choice, 28@30c; ordinary to fair, 22@27c; poor, sprouted and very small, less. The market was about 3 cents a bushel higher than two weeks before.

New Potatoes—Per bushel, good to choice, $1.00@$1.05; fancy, $1.08@1.10; poor to fair, 75@90c.

HAY—Receipts, 1,098 tons. Choice Kansas prairie hay firm. Offerings small and demand good. Other kinds dull. Timothy hay quiet. Supply liberal and demand light.

Price—Choice timothy, $15@15.50; No. 2 timothy, $11.50@12.00; choice Prairie, $14.00@14.50. The price of timothy hay is about $2 a ton lower than two weeks before and of choice Prairie about 50 cents a ton higher.

BEANS—Pea beans are ruling steady at late advance prices. Receipts have been somewhat larger, but stocks are only very moderate. Demand is fairly good. Other varieties rule quiet. Red Kidneys are only in light request and Brown Swedish are dull.

Price—Choice hand-picked pea beans, $2.32@2.35; prime, $2.27@2.30; mediums, about the same as pea beans; Red Kidney, poor to choice, $3.00@3.25. Prices are about 20 cents a bushel higher on pea beans and about 10 cents a bushel higher on Red Kidney than two weeks before.

EGGS—There is a fair demand for fine stock with market for such in good condition. Ordinary lots sell at irregular prices arrived at by agreement between sellers and buyers.

The receipts at Chicago (not including through shipments) for the week ending May 21 were as follows:

	This wk. Cases.	Last wk. Cases.	Last yr. Cases.
Monday	17,459	16,374	24,399
Tuesday	30,896	25,585	24,028
Wednesday ..	27,201	18,898	28,089
Thursday ...	12,478	16,673	21,734
Friday	18,366	12,688	22,570
Saturday	28,787	22,472	19,058
Total	135,187	112,690	139,878

Receipts April 1, 1910, to May 21, 1910, 1,163,861 cases.

Receipts April 1, 1909, to May 22, 1909, 1,061,962 cases.

Receipts April 1, 1908, to May 23, 1908, 1,187,941 cases.

Prices—The following quotations were established by the Chicago Butter and Egg Board:

Miscellaneous lots, cases included, 17½@18½c; ordinary firsts, 17½c; prime firsts, 20c; storage packed eggs in fair demand at 20¼@20½c.

BULLETINS

Many of the bulletins issued by the Department of Agriculture at Washington and by the various State experiment stations constitute the most valuable farm literature printed. We wish our space permitted us to make liberal extracts from them, but usually it does not. Our readers can get them free by applying as below:

In all cases address to "Agricultural Experiment Station" unless a different name is given.

UNITED STATES Department of Agriculture, Washington, D. C.—Circular No. 73, Progress of Game Protection.

DELAWARE, Newark.—Bulletins: No. 86, Crimson Clover—Its Rate of Gaining Nitrogen; No. 87, Two Important Leaf-Miners.

ILLINOIS, Urbana.—Circulars: No. 141, Crop Rotation for Illinois Soils; No. 142, Conservation of Energy and Its Relation to the Dairyman; No. 143, European Practice and American Theory Concerning Soil Fertility.

INDIANA, Lafayette.—Bulletin No. 140, Hog Cholera.

IOWA, Ames.—Bulletins: No. 113, Influence of Stock Foods on the Digestibility of a Corn Ration Fed to Swine; No. 114, Plum Varieties.

KANSAS, Manhattan.—Report of the Kansas State Board of Agriculture for quarter ending March, 1910. Bulletins: No. 165, Report of State Forester on Forest Conditions in Central and Western Kansas; No. 166, Spring Grains.

LOUISIANA, Baton Rouge—Twenty-second Annual Report. Bulletin No. 119, The Bean Anthracnose.

MAINE, Orono.—Bulletins: No. 172, The Fungus Gnats of North America; No. 173, Chermes of Maine Conifers; No. 176, The Ligiments of the Oviduct of the Domestic Fowl.

MONTANA, Bozeman.—Bulletin No. 47, Fruit Tree Planting in Montana.

NEBRASKA, Lincoln.—Bulletins: No. 33, Construction and Use of the Road Drag; No. 144, Storing Moisture in the Soil.

NEW YORK, State College of Agriculture, Ithaca.—Bulletin No. 274, Building Poultry Houses.

NORH DAKOTTA, Fargo.—Extension Bulletin No. 2, Rural Schools, Home Economics and Agricultural Contests.

OHIO, Wooster.—Circulars: No. 97, The Work of the Department of Co-operative Experiments; No. 99, Co-operative Dairy Work.

OREGON, Corvallis.—Bulletins: No. 107, Commercial Fertilizers and Insecticides; Fire Blight of Pear and Apple; No. 108, Insecticides and Fungicides.

TENNESSEE, Knoxville.—Bulletin No. 88, Insuring the Peach Crop.

VIRGINIA, Blacksburg.—Circular No. 7, Fighting the Insect Pests and Diseases of Orchard, Field and Garden Crops.

UP-TO-DATE FARMING

Production and Marketing

TWO KINDS OF FARMERS

By Prof. J. H. Pettit.

WE have and always will have in this country two kinds of farmers — grain farmers and stock farmers. For personal reasons some farmers will not keep stock. Further, to do so requires more or less capital and is accompanied always by considerable risk. It is also true that all farmers could not be stock farmers as the non-producing population demands bread as well as meat and butter; in fact, as the population increases the proportion of grain farmers will probably increase as meat and butter are high priced foods and the animal destroys about four-fifths of the food value of the feeds consumed in the production of these products. In older agricultural countries like Russia, India and China bread or rice, not meat and butter, is the staff of life. But both the grain farmer and the stock farmer must maintain the fertility of his soil. Ordinarily, it is true that the grain farmer of the corn belt is a soil robber;; but so is the stock farmer who does his feeding upon a side hill draining into a creek, or in a large feed lot from which the manure never gets back into the land. But it is possible for the grain farmer to maintain the fertility of his land without becoming a stock farmer either wholly or in part, and to do it profitably. He must return more phosphorus than does the stock farmer who feeds the grain and returns three-fourths of the phosphorus in the manure. Further, the animal returns in the manure about three-quarters of the nitrogen of the feed, hence the stock farmer can more easily maintain the supply of this element. But the clover crop in a rotation of two crops of corn, in the first of which is a legume catch crop, followed by oats in which clover is seeded, can be clipped by the grain farmer in the early summer, the clippings left as a mulch upon the ground, and the second growth cut for seed. After threshing, the clover hulls can be hauled back upon the land and only a few bushels of clover seed sold. The grain farmer can plow under more organic matter than can the stock farmer, because an animal returns in the manure only about seven or eight hundred pounds to a ton of dry matter consumed. Both kinds of farmers must use a rotation in which clover or other legumes occupy a prominent part and in addition upon corn belt lands provision must be made for the phosphorus removed, if we are to have here a prosperous and permanent agriculture.

TO STOP CROWS FROM PULLING CORN

The following have been successful: 1. Soak the seed corn a few minutes in water containing coal or gas tar and then spread out and dry. 2. Stretch strings across the field the vibrating of which which will frighten the crows. 3. Sow corn over the ground to feed the crows until danger to the crop is past.

SORGHUM FOR MOLASSES

S. P. Dixon of Boone county, Iowa, has made good money raising sorghum for molasses. He plants the Early Amber as early as he plants corn, and in addition to the molasses, received as much as $10 per acre for the seed.

The general demand for sorghum molasses is not nearly filled, and the enterprising farmer or company that will go into its production extensively, bucketing the syrup fresh from the evaporator as the corn syrups are bucketed, and utilizing the seed and fodder and scum wastes as by-products, will find a business highly profitable.

We like the philosophy of gladness. "Take things by the smooth handle," said Franklin, and to do that is worth both "dollars and doughnuts" on the farm.

NEEDS OF THE LAND

Prof. J. H. Pettit of the Illinois College of Agricultural, in his third article to Successful Farming, speaking of the needs of land even in the corn belt, puts them thus:

First,—The use of the lime to destroy acidity, when present, which would otherwise interfere with the growth of the legumes.

Second,—The use of some material carrying phosphorus in such amounts as to replace all of that removed by the crops and to increase the supply in these soils.

Third.—The maintaining of the supply of active organic matter and with it that of nitrogen by plowing under all of the farm manure it is possible to produce, together with green manures, corn stalks, and other crop residues. In this way is the land kept in better physical condition, its absorbent power for water being increased, and the means of making soluble the potassium and other less soluble mineral plant food, together with any which may be applied, such as rock phosphate, is more economically supplied.

Prof. Pettit believes crop rotation is an important feature of successful farming, but concerning that he states as a fact what is quite different from the general understanding of it—"that a rotation of corn, oats and clover removes more plant food than does continuous corn." It is generally supposed that rotation of crops tends to rest the land, giving the elements taken by one crop a chance to recuperate, while another crop is building up other elements, but Prof. Pettit says: "With the exception of the clover plowed under, none of them add any plant food to the land, they all help to remove more plant food from the soil, and so deplete the materials of which crops are made."

When one rightly considers it, this position is undoubtedly correct. Each crop consumes it own peculiar food, and what one leaves another takes, whereas the same crop repeated year after year, is all the time feeding upon the same elements, exhausting them, of course, but leaving the others undisturbed. Contiuous cropping, therefore, exhausts the soil fertility in certain particulars, rotation exhausts it generally. The benefits of rotation, therefore, are more apparent than real. The general exhaustion takes place more slowly than continuous special exhaustion. Suppose five successive corn crops would completely exhaust the soil of the elements required to produce corn, five years would accomplish that result. In a rotation of corn, oats and clover it would take thirteen years to accomplish the same purpose. Yet only five crops of corn have been produced, and the other crops meanwhile have been eating up what they required, and adding nothing to it except the nitrogen and humus contributed by the clover. At the end of the fifth corn crop in the rotation it is clear that the soil is poorer by what the other crops consumed than it was at the end of the five successive crops, excepting only what the legume, the clover, added to it.

This leaves us with the stern fact that soils which produce yield their productive substance, and if production continue, the elements of plant food, fertility, must in some way be added to it. The legumes turned under is the near-to-nature way, and to that must be added potassium and phosphorus in some form.

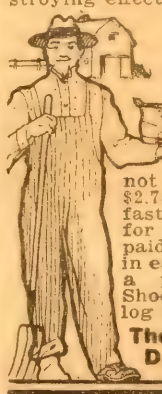
LIGHTNING AND TELEPHONE

The electric storm season is drawing near and every phone owner should protect his family and home with the very best protection he can get. Quite a number of people have been killed recently and a great many homes set on fire from this cause. The W. E. Ashby Telephone Cut Out Co., 435 Phillip Blk., Des Moines, Iowa, whose ad appeared in this paper, have an Arrester that has been on the market for several years and has stood the test under all trials. It is sold on a Positive Guarantee and must do the work. It will pay you to write them.



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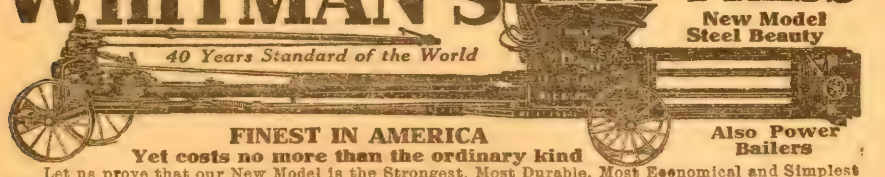


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A CART LOAD OF FUN This is the name of our book that should be in every home. More fun to the square inch than a cage of monkeys. A "cart-load" indeed. Space will not permit of our telling much about this book. Take our word for it, that it is worth many times our price If you are not satisfied we return your money on request. Among the titles of the anecdotes and stories contained in "A CART LOAD OF FUN" are the following: "A Man with a Liver," "Pumpkin Pie," "Potts and the Lightning-Rod Man," "How to Go-a-Courting," Baumgartner's Dog." "Stowe's Elephant Story," "Marriage a Scheme to Manufacture Happiness," "Mrs. Jones' Burglar." "Deacon Amos Tenderloin Discusses Dudes." The Sad Case of Fillay du Biff," "A Primeval Scrap," "A One-Horse Hotel." "He Concluded not to Commit Suicide." "Queerly Married." "Hannah was Aroused," "How the Tired Patient Man had His Feelings Upset." "Jone's Baby." "Breaking up a Cat Concert," and 148 others. "A CART LOAD OF FUN" is a book of 64 large double column pages, neatly bound in attractive colored paper covers price 10c each, 3 for 25c; postpaid. COONER & FORTUNE CO., Indianapolis **FOR 10 cts.**

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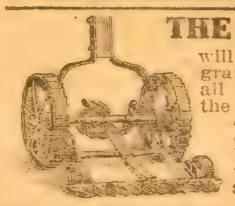


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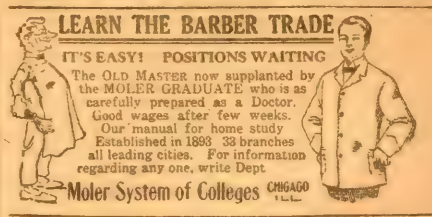


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Our "Cyclone" three stroke self feed hay press is the latest, most powerful and most efficient press on the market. Each circle of the team presses in three charges. The self feed automatically puts the hay down to the bottom of the bale chamber. These two improvements wonderfully increase capacity of our presses. Write today for circular and prices. Five days' free trial.

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DO you make good butter? Then there is no call for you to sell it to the grocer to be dumped in a tub, with all sorts of stuff to be sent off to a creamery for some unmentionable uses. There is always a demand for good butter for table use even in the small towns and villages. It only remains to find the demand, and that is not a difficult task by any means. In most cases nearby farmers are acquainted with the towns people, and may easily know their wants. Where there is no acquaintance a very little inquiry and canvassing will find a demand, and a contract to deliver good butter at stated times may be readily made, generally a a slight advance in price over the grocers' price.

But when such contract is made it must be strictly observed. The butter must be as represented, and it must be promptly delivered at the time, agreed upon. A serious weakness in many farmers is lack of promptness. An hour, or half a day, or even a whole day sometimes, does not matter so much,, they think, with the farm crops, and they see no reason why it should matter in business matters. But promptness and fidelity are the essential elements in business, and when one contracts for an article to be delivered at a certain time, time is a prime feature, and failure to deliver works disappointment and inconvenience. Even when some untoward circumstance makes it expedient to deliver at the time the purchaser should be notified in advance, even though at no little inconvenience to the seller. In the first place, it is simply right, the fulfillment of the contract. and it inspires confidence and gives permanency to the arrangement. Find a customer for your farm butter and keep him, for your benefit and his.

SUMMER FEED FOR COWS

GRASS, good, rich grass, is the best known feed for milch cows, because it is nature's feed. But no matter how rich the pasture, it will pay well to supplement it with some solid feed. A few corn nubbings, such as may have been rejected in using corn for other purposes, are a good supplemental feed. But about the best feed for this purpose is wheat bran. Bran is rich in protein, and also in the carbohydrates, the elements in which the pasture grass is weakest. Hence it contributes to the formation of a balanced ration. Any feeder would be glad to have a little grass to mix with the dry feeds in winter. A little dry feed is just as useful mixed with the grass in summer.

ROOF INSURANCE FREE

Congo Roofing is guaranteed by the manufacturers to last ten years. If it should wear out within that time you get new roofiing free of charge, and you have in your hands a Surety Bond issued to you at the time your roof is laid so that you get full satisfaction without recourse to lawyers. The proposition is well worth looking into because it gives you absolute certainty in place of a speculation concerning the durability of your roofing. If you are in the market for roofing, look into this proposition. If your dealer doesn't sell Congo write to the United Roofing & Manufacturing Co., 606 West End Trust Bldg., Philadelphia.

Work Out Your Wishes

Do you wish the world were better?
Let me tell you what to do;
Set a watch upon your actions.
Keep them always straight and true,
Rid your mind of selfish motives.
Let your thoughts be clean and high.
You can make a little Eden.
Of the sphere you occupy.

Do you wish the world were happy?
Then remember day by day
Just to scatter seeds of kindness
As you pass along the way.
For the pleasure of the many
May be ofttimes traced to one,
As the hand that plants the acorn
Shelters armies from the sun.

—*Ella Wheeler Wilcox.*

Some Interesting Facts About Overlands

Our 800 dealers now are selling over $200,000 worth of Overlands daily. That's a far larger sale than was ever attained by any other car in the world.

Some of the Users

The Government is one of the Overland users. For a year and a half some of these cars have been used in carrying the mails. For 500 days they have made their regular trips, winter and summer, without a moment's delay. Each of these cars has done the work of three horse-drawn vehicles.

The J. I. Case Threshing Machine Company some time ago supplied 25 Overland cars to their country salesmen. They report that one man with one of these cars can do two salesmen's work.

The Altman & Taylor Machine Co. have also begun to supply Overlands to their salesmen.

We have recently built delivery car bodies on 900 Overlands for the use of storekeepers who want them for use as light delivery cars.

All Due to Simplicity

All these new uses for Overlands are due to their utter simplicity. A novice can run one as well as an expert.

The operation of the car is by pedal control. One goes forward or backward, fast or slow, by simply pushing pedals. The hands have nothing to do but steer.

Overlands are almost trouble-proof. The usual complexities have been avoided. One of these cars has been run 7,000 miles, night and day, without stopping the engine.

A child can master the car in ten minutes. Any member of the family can run it. And a car that is relied on to carry the mails is the car which will always keep going.

$3,000,000 Plants

Over $3,000,000 has been invested to produce Overland cars in a perfect and economical way. The cars are made—as watches are made—by modern automatic machinery. Thus we get exactness to the ten-thousandth part of an inch. And thus every part is made exactly like every other similar part. All parts are interchangeable.

Because of this machinery and our enormous production we are able to make cars for less than anyone else.

This year we are selling a 25-horsepower car, with 102-inch wheel base, for $1,000. We are selling a 40-horse power Overland, with 112-inch wheel base, for $1,250. And these prices include all lamps and magneto.

During the past year alone we have cut the cost of Overlands 20 per cent by multiplied production and this labor saving machinery.

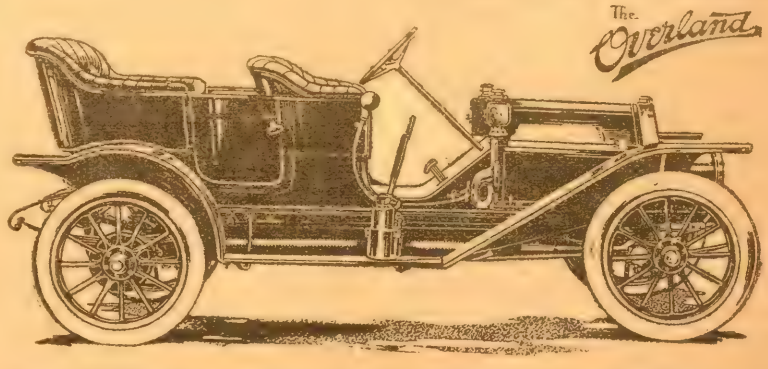
10,000 Tests

The various parts of each Overland car are subjected to 10,000 rigid inspections. Then every car, before it goes out, is given a long trial run on rough roads. One of our test roads includes the worst hill in Ohio.

Thus we know that each Overland is a perfect car before it leaves the shop. There are no mistakes.

Those are part of the reasons why Overlands have now come to outsell all other cars that are made. You will want the car which others want when you learn the facts. If you will send us this coupon we will mail you our catalog. We will also tell you the nearest place where you can see the cars.

C26
The Willys-Overland Company
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Licensed Under Selden Patent
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The 25-horsepower Overland costs from $1,000 to $1,100, according to style of body. The wheel base is 102 inches. The 40-horsepower Overland costs from $1,250 to $1,500. All prices include five lamps and magneto.



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POULTRY NOTIONS

CLEANLINESS is next to godliness," is often applied to human beings. Cleanliness is essential to success in the poultry house, is very applicable to that business.

Don't neglect gravel and broken shells or crushed china, or lime in some form. Hens cannot make eggs without material for the shells, and poultry cannot be healthy without lime. Scattered about the house and in the runs it is an important element of success.

Young chicks must have warm, dry quarters. To neglect that is to forfeit the right to success.

Last years pullets ought to have laid during most of the winter, though some that were not well cared for may not have done so. Such pullets should be laying well now. If not, they may go to the market.

Eggs below 18 cents a dozen are as cheap for food as meat is at present prices, and if properly cooked and served they are much healthier.

Don't neglect the American breds on the farm—Plymouth Rocks, Wyondottes and Rhode Island Reds. These breeds are always a safe proposition.

Ground green bone is a valuable element of poultry feed. It can be obtained of most dealers in packing house products, and it ought not to cost more than two cents a pound. A fair feed of it every day or two is sufficient.

Watch the poultry house for mites and lice. If the fowls are not worth being kept free from these parasites, better not have them.

Watch for scaley legs. Treat with coal oil and lard.

The up-to-date poultry keeper was ready with good accommodations for the young chicks. Others should not delay a moment in getting ready. The first few weeks are the trying period of a chicken's life.

Important words in the treatment of young chicks—warm, dry, cleanliness.

Don't use old eggs for hatching. Here is where cold storage stuff does not come in. Half the success depends upon the use of good, fresh eggs—eggs that you know are from a flock that has been properly mated.

FOUR TONS OF EGGS

PEOPLE who want eggs and can't get them must not blame the hens. Four tons of eggs are not a few. It would keep a nice flock of hens busy a long time to produce that many, and that quantity would furnish many meals in many large families. The papers tell us that quantity of eggs were destroyed in Boston the other day. Speculators had bought them up and hidden them away in cold storage to hold them off the market and prevent eggs from being too abundant. There got to be a defect somewhere in the cold storage and the eggs spoiled. Throw them away? Not much. A farmer's wife would, but a speculator wouldn't. They were being sold to the Boston bakers to be deodorized by chemicals, and used in cakes for Boston people to buy and eat. But a food inspector happened to smell one, and the whole lot was condemned and sent to the tannery.

But for the greed of speculation, these eggs would have been sold when fresh as healthful food for the people. But to keep them from more fully supplying the demand and depressing the high prices charged the consumers, these four tons of eggs were destroyed regardless of human hunger; and the blame for shortness of supply was placed to the discredit of the farmers.

WHAT IS IT?

Below we give a picture of a fowl that perhaps is all alone in the feathered kingdom, there being nothing like it, we presume, in all the world. It is supposed to be a cross between a guinea hen and a Plymouth Rock rooster. Mrs. C. W. Caton, of Belle River, Ill., last year set fifteen guineas eggs under a hen. Only one of them hatched, and the fowl whose picture we give is the result.

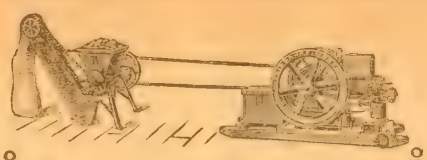


This strange bird is quite domestic in its habits, is a pet in fact, and never makes any noise except when frightened, and then it utters a sound peculiarly its own—some thing between the cry of a guinea rooster and that of a chicken. Its feet and legs are like those of a guinea, but its head is more like that of a buzzard, while its body, as shown in the picture, which is from a photograph, is not like either, but partakes a little more of the shape and pose of a turkey. It is larger than a guinea, and ranks well in size with a Plymouth Rock rooster, its weight being eleven pounds. Its sex has never been determined.

If this is really the cross that it is supposed to be, it is an anomaly in nature, though we have a rather vague memory of once reading of such a cross. At all events, it is an interesting specimen of the feathered tribe, and may well afford a subject of thought for scientific breeders. We are not advised as to whether the guineas that laid the eggs had a mate of their own species, but they ran with the chickens that were mated with Plymouth Rock roosters, and the fact that but one of the 15 eggs hatched, strengthens the idea of the cross. It is evidently not a mere freak.

FREE SAMPLE OF AMATITE

Amatite is a new type of roofing which has found wide favor on account of its mineral surface which **needs no painting.** This mineral surface is embedded in pitch, which grips the stone firmly and makes a kind of pitch-concrete surface. Its price is no higher than that of the old-fashioned painted kinds. Next time you paint your roofs remember that painted roofings are no longer the only kind you can buy. You can get full information and a free sample from the manufacturers on request if you mention UP-TO-DATE FARMING. Address Barret Manufacturing Co., New York, Chicago, Philadelphia, Boston, Cleveland, Pittsburg, Cincinnati, Minneapolis, St., Louis, Kansas City.



Correct Grinding

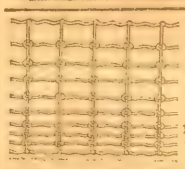
of corn on cob is easily accomplished with the

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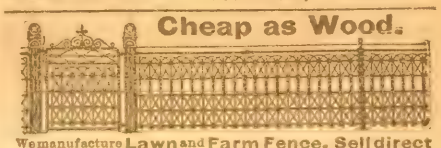
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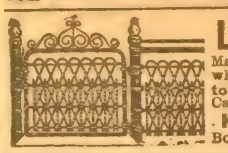
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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

IS IT WORTH WHILE?

This question, for most of us, must be answered by others—**for me it has been answered by the readers of this Department.** The many expressions of appreciation from my readers; their assurance of the help they have received, and THEIR ASSISTANCE IN OBTAINING SUBSCRIBERS gives me much pleasure. May I count on it further? WILL YOU SEE THAT YOUR NON-SUBSCRIBING NEIGHBOR SENDS IN HIS SUBSCRIPTION, with 50 cents for two years?

Very sincerely,
SAMUEL ARMSTRONG HAMILTON, Garden Editor.

EXPERIMENT STATION BULLETINS

Michigan Station, East Lansing, Mich.

Bean production.. Michigan stands first among the bean producing states of the Union. This bulletin, No. 259 is a full treatise upon the bean as grown commercially. It can be used by bean-growers anywhere.

Oklahoma Station, Stillwater, Okla.

The Southern Plum Aphis. Bulletin No. 88. It is of great value to Southern fruit growers, being well illustrated.

Wyoming Station, Laramie, Wyo.

Field Peas. Bulletin No. 84. This treats of the pea as a commercial crop, and as a legume for the restoration of the nitrogen to the soil. A useful treatise.

MEHAN'S GARDEN BULLETIN:

It is issued by Thos. Mehan & Sons, at Germantown, Pa. We read it for the valuable instructions it gives about plants and their cultivation and enjoy the many illustrations of flowers and plants. The April number had a valuable article, "The Old Fashioned Garden," that we recommend to our readers. In fact we recommend the whole magazine as a valuable supplement to this department. Subscription price 50 cents a year.

WHERE TO GET FIRST CLASS PLANTS

I receive hundreds of inquiries during the course of the year from the readers of this, as well as other papers and magazines, as to where they can obtain reliable plants, vines and shrubs. While they all do not say so, yet in view of the fact that they take the trouble to ask me these questions, I infer that they have not always been faithfully served. There is a great responsibility thrown upon an editor in replying to these inquiries, for should his advice be followed and poor results obtained his prestige and that of his paper would suffer in the worst possible way, and he must positively know that the firm to whom he refers his readers is not only honest, but that they have good stock. I have been fortunate for many years in that I have been able to refer such inquirers to one of the oldest as well as the largest firms in the United States, HENRY A. DREER, INC., of Philadelphia, Pa., and have never received a complaint, but instead many expressions of pleasure at the fine results obtained from their plants and vines. Their catalogue will be sent on application.

THE VEGETABLE GARDEN

The cold weather, of which I wrote in the last issue, has shown no abatement in the area from the central west to the Atlantic coast. Many gardens and truck patches have suffered. The extent of the damage is hard to estimate, but it will be large. It illustrates the fallacy of weather prophecy. Because we had a long severe winter those prophets who rushed into print early in the spring prophesied that we would have an early, and continuous warm spring.

But, excepting the month of March, which was like June usually is, the spring has been wet and cold, with heavy frosts in East as late as the third week of May. However, the gardener who gambles on the weather, and "hits it" most of the time, lost this year, and will have to replant in place of extra early vegetables, which he expected to have. Those who will replant should make good, as the first crops of vegetables will be short, and the demand for the second crop correspondingly large.

I want to impress upon my readers, especially those who have had early crops frozen, the importance of frequent cultivation in hurrying the maturity of the crop planted to succeed them. A week earlier in the maturity of a crop will often take the market, and that is possible by frequent shallow cultivation, provided the drainage is good, so that the soil will drain off the excess moisture rapidly, and the cultivator can be kept going. Two gardeners planting crops side by side, one cultivating by the old-time "three times" method, and the other twice a week, and after every rain, will show a difference of at least a week in the date of ripening of the crops.

This is one of the facts which has been demonstrated by the experiment stations, those mentors for the farmer-folk, without whose aid modern farming, and gardening, would not have come into existence. Some of the remarkable experiments of the stations along this line have not been published, as they seem so wonderful that they are hard to believe.

However, all the gardens and truck-patches were not killed by the frost. I have seen some fine ones, in which the crops were being gathered in the first week of May, and I feel sure that I never saw a better average condition of garden crops than those which have come under my observation this spring. This has been an especially good year for that old staple, lettuce, due to the cool, moist, weather, with enough of sunshine to keep it growing. The heads were large and hard, having been started indoors. In the East, gardeners were getting high prices for it.

Referring again to the subject of rotation of garden crops, about which I have frequently written in this Department, let me say that this gives the best opportunity to clear the garden of weeds, as every bed or plot rotated should be thoroughly cleared before being replanted. This will take care of the weed question, the bane of most gardens.

I had a letter recently from one of my readers asking me to tell him why his garden did not do well. He described his soil as a sandy loam, bottom land, fairly well drained, but it would not grow certain crops. He stated that along the sides of the fences, where it was not disturbed, mold formed on top of the ground, wherever there was at least partial shade.

The question indicated the answer. His soil was "sour." It had what the chemists call an "acid re-action." This means that it was badly in need of lime, or some other alkaline substance, to change the nature of the re-action, and release the plant food locked up in the acid soil. This is the function of lime in the soil. An acid soil is deficient in those beneficient bacteria which are necessary to the formation of available plant-food in the soil; in fact, they are rarely present in an acid soil, and the result is that the large class of useful plants which comprise most of our vegetables will not do well unless the soil is made at least slightly alkaline.

The matter of liming the garden, or truck patch, should not be done without consideration. The effects on the plants is rarely observable the first season, as it simply makes the soil fit for the use of the bacteria, and they must get in the soil and multiply for a season before they will produce the results for which the lime is used. If you have decided that you will soil your garden or truck patch in clover next season, work the fine lime in this summer when working the garden, and the clover will get the benefit of it next year.

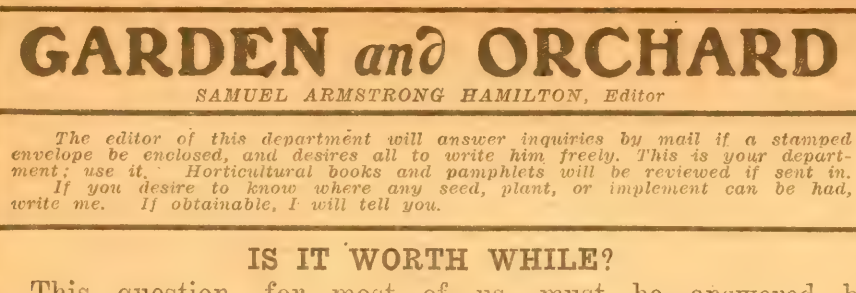
The many complaints that clover will not do well in the truck patch is due to the fact that such land is generally cropped eight to ten years without liming, and then put in clover when the soil is free from bacteria, and a poor stand is the result. Follow the plan outlined above and you should get a good stand of clover to enrich your garden.

THE SMALL FRUITS

I have not heard of great damage thus far to small fruits by the late frosts, but the wet cold spring has seriously reduced the quality of the early strawberries received from the region north of the Carolinas, and they came to market sandy and in poor shipping condition. This cannot be helped in these regions where mulching, as it is practiced in the North, is rarely done. It is a pity that the growers in the South do not take advantage of their opportunity to spread the vogue of the strawbery. The way to make the consumption of this lucious berry a hundred times larger than it is, is to send to the first early markets fine, large, mulched berries, which will create a desire for them in the palate of the beholder, and, by indulgence, the "berry habit" will be formed, and the growers will profit.

Keep always in mind that the demand for the first early crops of any fruit is created largely by their appearance.

The raspberries and blackberries seem to be in fine condition. The patches which I have visited seem to have been benefitted by the large amount of rain so far this



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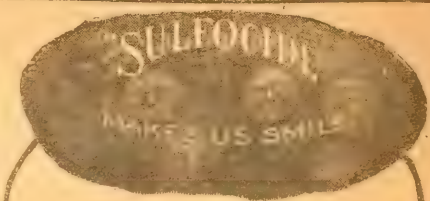
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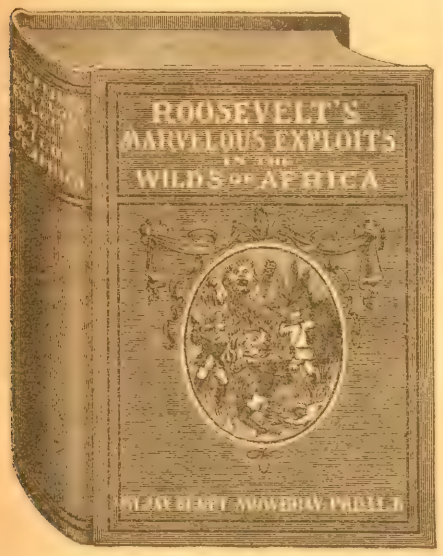
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J. A. EVERITT, Editor,
Indianapolis, Ind.

season, and if there is plenty of sunshine during June there should be a fine crop of large sweet berries, as plenty of moisture means sweet berries.

THE ORCHARD

The accounts reaching me from different sections of the country as to the damage to the fruits of the orchard types are very conflicting. It seems to be the case that there is not much damage in the Rocky Mountain region where they are equipped for and are accustomed to using orchard heaters, but there is hardly a doubt that there has been considerable damage done to the apples and cherries in Michigan, Iowa, and Missouri, while the far East has been touched in spots, especially New York state.

Spraying

The spraying, as outlined in the calendar recently published in this department, should not be omitted this month just because there seems to be multiplicity of other duties pressing to be done. It is vitally necessary if you desire your apples to be free from the worm-holes of the coddling-moth, the pits of the curculio, and the scurf of the apple-scab. By no other means can these ends be accomplished, especially in those sections in which these pests are epidemic.

Thinning

I have written much about the proper thinning of the apple when young. A large number of experiments made by the experiment stations have shown that this is vitally necessary if fine large fruit is desired. Two bushels of No. 1 apples bring more than four bushels of undersized ones.

Cultivation

If you are running your orchard on the modern cultivation plan, keep the cultivator going. Do you notice how often in each issue I advise cultivation of some crop or fruit? Well, it is because it is the secret of success in the modern Up-to-Date garden and orchard. Cultivate, cultivate, cultivate—and more cultivation, is the cry, and success follows those who do it.

Marketing

The fruit market will soon be in full vigor. Then again I fear the time will arrive when the "dumper" will get in his deadly work, as well as those who grow, pack, and ship in a careless manner, to the detriment of his brethren who practice the principles of EQUITY. Let every fruit grower become an advocate of EQUITY, and the fruit-growers millenium will come—that time when the market will be supplied by the EQUITY SYSTEM, and the prices adjusted just right to afford the fruit grower a fair profit, and the consumer choice fruit at fair prices. That is just what EQUITY means and teaches. Have you any neighbors who do not know of the EQUITY SYSTEM? If so, introduce them to this paper. Do you know that it is a fact that almost all of the hundreds of thousands of believers in the EQUITY SYSTEM *have been converted by reading* UP-TO-DATE FARMING?

Fertilizers and Manures

It is a mooted question among fruit growers as to whether there is any value in summer applied manures in the orchard. Some of the experiments seem to show good results from the application of nitrates and potash when cultivating; but, as fine results are obtainable by the clean cultivation method without summer manuring. I hesitate to advocate it, especially in the face of the added cost.

If your soil is deficient in any plant-food ingredient, it is better to put it in now than not to do it at all. Where the soiling system of orchard management is in operation, the crop grown will be cut, as soon as in bloom, and allowed to lie.

Implements

It is an education to one who is not posted in modern garden and orchard equipment to carefully study the catalogs of the dealers who advertise in our columns, and note how they are specializing the implements and machinery so that all the garden and orchard operations can be performed quickly and well.

This is the day of the specialist, and this applies with great force to fruit-growing. All different fruit-growing specialties have their own implements, and tools, and this has been a great factor in the developement of fruit-growing as a commercial factor. Equip your garden and orchard with a set of the latest tools and implements. They are well worth the cost.

BEES ON THE FARM

Just before writing this article I was informed by a farmer that he had averaged 65 sections of surplus honey from his bees last season. They occupied about a tenth of an acre of land which would otherwise have been vacant. Suppose you had only ten hives at that rate. That would make 650 sections (which he sold locally for 20c a section), or $130.00 for a tenth of an acre, or at the rate of $1300.00 per acre. Does it pay to keep bees that board themselves, and pay for the privilege?



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Up-to-Date Farming, Indianapolis, Ind

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THOUGHTS THAT COME

The Daisies

By JOHN P. STELLE

EVERYBODY knows and loves the daisy. It is loved for its timely appearance, and for its modest worth and beauty. Scarcely can one step from the door of his home when the welcome voice of spring invites him out, but the daisy smiles up at him from what was so recently the frozen earth, each white petal speaking of purity and the golden center suggesting gladness and plenty.

And the daisy has but just awakened. During its long winter night it slept in poverty, amid the most uninviting surroundings. Cold weather was its bed, biting frosts it pillow, and unsightly trash its cover. No one saw or thought of it then. Nothing came to cheer or comfort it; nothing to encourage it or make more cheerful its dark repose; nothing whispered words of hope or love. What had been wooing breezes were then blighting gusts laden with ice and snow; and even the sun that before had brought life and health and vigor, now looked upon its lowly place of refuge with a cold, dull, unkindly stare, while the moon that floated over it at night, accustomed to bring to earth's creatures the brightness of silver when the gold of the sun had disappeared, seemed, with a freezing sneer, to mock at the daisy's unrelieved and unbroken humility. Was ever a situation more painfully hopeless?

But the daisy knew it was in its place, and it was patient. By and by something drove the cold winds away, the snow and ice disappeared, an impulse of life thrilled the waiting earth, and the daisy, peeping from under its ragged cover, looked up and smiled. The farmer as he hastened to do his increasing tasks, turned to look a friendly greeting. The busy housewife paused in her ceaseless round to welcome it. The rollicking boy, bent on mischief and seeking a victim for his ruthless sport, stepped lightly over it lest his foot should mar its quiet loveliness. The lovely maiden, fresh, unclouded, dazzling and proud, conscious of her own acknowledged sweetness, stopped to do homage to the daisy that smiled at her as she passed. In its new and beautiful life all nature was changed. The sun no longer looked cold and cheerless, but lent warmth and richness to its silver sheen. The moon with smiling face, gave it a glow even when darkness covered the earth; and the winds, nestling down to a caressing breeze, kissed its inviting lips, and whispered of admiration and love. The daisy's troubles are gone and its triumphs have come.

Is there a human soul like the daisy was? Is a long and cheerless night hiding someone from the light and joy there ought to be in life? Is what brings peace and happiness to others only a cheerless reminder of what has been or ought to be? Like the daisy, trust the future. Build for goodness even in the darkness, and by and by the light and warmth will come; and then the passing world will pause to look and listen and admire.

Or does someone hesitate because of the bed from which he rose? Are any hopeless because of their humble origin, and the unfavorable conditions that surround them? Learn from the daisy. Look up. Always look up and smile. The world smiles back at those who smile, and kindly responds to the upward look. No eyes are set so high that they will not look down to admire the good and the beautiful though low as the daisy's bed. The sun himself is often clouded, and the brightest stars come up from the low and unseeable east. The most beautiful butterfly sees its beginning in a crawling worm, and the loveliest rose, like the unknown daisy, was hidden in a rough and unattentive coat. Some of earth's greatest men came from the lowliest stations, and the Savior Himself made His advent from a place where beast of burde fed.

Life has its losses, but there is no place to cease our efforts; its griefs, but there is no time for repining; its discouragements, but there is no room for despair. Look up and smile as the daisy does. The sun will rise in beauty after a while.

WORST FOE OF THE HOME

DRINK is unquestionably the worst foe of the home, whether the home on the farm or elsewhere. Not long ago the United States government published some statistics on the subject of divorces. Of the divorces granted in this country during the last twenty years, 66.6 per cent. were granted to wives. The intemperate use of liquor was the direct cause of 26.3 per cent. of these. It is also very certain that the use of intoxicants was the indirect cause of many more. It is well known that in many cases drink leads to cruelty, to failure to support, to desertion, and even to infidelity, the other causes given.

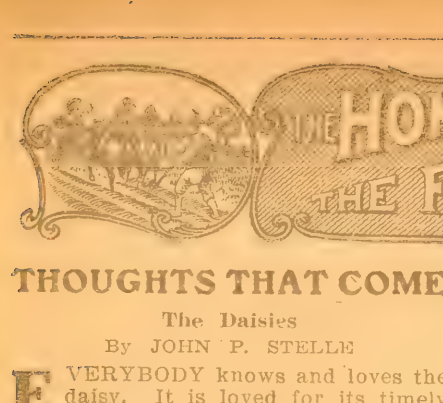
Of the husbands who were granted divorces, 6 per cent. were for drinking on the part of wives. Hence everything that lessens the drink evil lessens the divoce evil also.

And the curse of drink invdes the home in other ways than through the divorce court. More mothers' hearts have been broken because of it than from any other cause, as have also more hopes of bright young people been blasted. The wiping out of that curse would remove the darkest shadow from the home

WHAT WE EAT AND WHY

SIXTEEN per cent. of the food consumed by the human family is meats and poultry, and this supplies 30 per cent. of the portion, and 59 per cent. of the fat. Dairy products supply 18 per cent of the total food, and furnish 10 per cent. of the protein, 36 per cent. of the fat, and 4 per cent. of the carbohydrates. Cereals and their products (bread, etc.) furnish 31 per cent. of the total food, and yield 43 per cent. of the protein, 9 per cent. of the fat, and 62 per cent. of the carbohydrates. Vegetables and fruits compose 25 per cent. of the total food consumed, and yield 9 per cent. of the protein, 2 per cent. of the fat, and 16 per cent. of the carbohydrates.

Bread and meat, and the various flesh and grain products, taken together, furnish 73 per cent., or nearly three-fourths of the protein consumed by the human family, and as protein is the building up element of nutrition, bread and meat, the almost universal food among farmers is not so bad a diet as it is sometimes said to be, especially for young, and growing persons. Bread and meat also supply 68 per cent. of the fat and 62 per cent. of the carbohydrates, the cereals alone containing the latter. He who is well fed on bread and meat will not starve; but of course we do not advocate an exclusive bread and meat diet.



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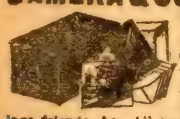
EARN WATCH—RING and CHAIN



WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely decorated case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.

Dale Watch Company, Dept. 53 Chicago

CAMERA & COMPLETE OUTFIT



25c Takes pictures 1¼ x 1¼. A little gem. Sure to please. Leatherette covered camera and complete outfit of plates, paper, chemicals, &c. with complete instructions so any boy or girl can take GOOD PICTURES of landscapes, buildings, friends, &c. All sent for only 25c (silver) or 3 for 60c.

ALDEN & CO., Sta. A, Indianapolis, Ind.

—100 Envelopes 50c—

Send 50c for 100 fine white envelopes—full size—with your name and address in corner. Guaranteed best work. Sure to please or money back.

EQUITY PUBLISHING CO., Indianapolis, Indiana

HELPFUL GLEANINGS

To various reasons from which we have gleaned them are sure and our readers indebted for the following valuable household hints

Bark shaved from sassafras roots, or the roots themselves, the latter being better on account of being more easily removed when the fruit is to be used, put in the dried fruit will prevent worms from getting in it.

A cup of water in the oven when bread is being baked will keep the crust moist.

Soot on the carpet covered immediately with salt may be swept up without leaving a stain.

A bit of oil cloth, or even paper, put under the children's plates while eating, may save having to wash the tablecloth.

If the bread crumbs of which dressing is to be made, be browned in butter or lard before moistening them, the dressing will not have the pasty condition it has when made of plain crumbs.

Baked pumpkin makes sweeter pies than when stewed. Cut in rounds, bake in the oven slowly, scrape out and run through the colander.

If the clock gets tired or lazy and refuses to run, with no apparent cause, a lack of oil may be the trouble. Set in it a small open vessel containing coal oil, or put in it a cloth or bit of cotton or wool saturated with coal oil. The oil will evaporate and imperceptibly supply the deficiency.

To clean a gilt frame, to one pint of water add enough sulphur to make the water quite yellow. Add some small bits of onion, and let the water come to a boil. When cool, strain and apply to the frame with a soft brush and rub with a flannel cloth.

If a new shoe is painfully tight, lay a cloth wet in hot water on the shoe at the tight place with the shoe on the foot. The leather thus moistened will soon stretch and adjust itself to the size and shape of the foot.

If peeled potatoes be soaked in cold water an hour before being put on to cook, they will be whiter and more mealy when done.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.



WANTED—RIDER AGENTS IN EACH TOWN and district to ride and exhibit a sample 1910 Model "Ranger" bicycle furnished by us. Our agents everywhere are making money fast. *Write at once for full particulars and special offer.*

NO MONEY REQUIRED until you receive and approve of your bicycle. We ship to anyone, anywhere in the U. S. *without a cent deposit* in advance, *prepay freight*, and allow **TEN DAYS' FREE TRIAL** during which time you may ride the bicycle and put it to any test you wish. If you are then not perfectly satisfied or do not wish to keep the bicycle you may ship it back to us at our expense and *you will not be out one cent.*

LOW FACTORY PRICES We furnish the highest grade bicycles it is possible to make at one small profit above actual factory cost. You save $10 to $25 middlemen's profits by buying direct of us and have the manufacturer's guarantee behind your bicycle. **DO NOT BUY** a bicycle or a pair of tires from *anyone* at *any price* until you receive our catalogues and learn our unheard of *factory prices* and *remarkable special offer.*

YOU WILL BE ASTONISHED when you receive our beautiful catalogue and study our superb models at the *wonderful low prices* we can make you. We sell the highest grade bicycles at **lower prices** than any other factory. We are satisfied with $1.00 profit above factory cost. **BICYCLE DEALERS,** you can sell our bicycles under your own name plate at double our prices. Orders filled the day received.

SECOND HAND BICYCLES—a limited number taken in trade by our Chicago retail stores will be closed out at once, at **$3 to $8 each.** Descriptive bargain list mailed free.

TIRES, COASTER BRAKE rear wheels, inner tubes, lamps, cyclometers, parts, repairs and everything in the bicycle line at half usual prices.

DO NOT WAIT—but write today for our *Large Catalogue* beautifully illustrated and containing a great fund of interesting matter and useful information. It only costs a postal to get everything. **Write it now.**

MEAD CYCLE CO. Dept. G 170, CHICAGO, ILL.

"PLEASE MENTION UP-TO-DATE FARMING WHEN WRITING ADVERTISERS"

Ever-Sharp Shears FREE

Dear to the heart of every woman—a pair of finest shears that are always sharp.

The Patent Tension Spring keeps them always sharp and enables the user to cut anything from *wet* tissue paper to the heaviest cloth. The tension on the rivet can be set so that any kind of material intended to be cut with shears can be cut with perfect ease, without tiring the hand.



The illustration is 4 inches long, but the Shears we offer are 8 inches in length. They are made from the best carbon steel which insures strength and a keen cutting edge. The manufacturers guarantee quality of material and workmanship in every pair.

Guaranteed for Years.

OUR OFFER: One pair of these Shears will be sent free for your renewal or a new subscription 2 years for 50 cents.

UP-TO-DATE FARMING, Indianapolis, Ind.



GRAND AMAZING SPECIAL

Introductory Pillow Top Offer

HERE indeed is a wonderful pillow top offer. This pillow top entirely free. We don't ask for a cent of your money. Just write and get the pillow top, as per our offer. Do not miss this opportunity to get a pillow top, something extra choice and novel, absolutely free. See coupon below.

Madam: Your choice of the magnificent pillow tops illustrated here absolutely **Free.** Yes, given to you free. You can have your own photograph, or your husband's, or your child's, or any other photo you want on this pillow top **Free.** We are giving it to you exactly as per our offer. Think of having one of these beautiful pillow tops in your home. These pillow tops have cost me heavily. But I have a reason for giving them away free. I am going to give out thousands and thousands of these pillow tops, paying for them myself, because I have a special object—a very good business reason—for giving them away. I want your friendship and recommendation, that is all. I want you to see our new process of photographing on cloth, and I believe if I give you the pillow top free, it will be the best advertisement I have ever had for my business.

Free Our Offer. Just decide what picture you want on the pillow top which we will send you free, and send us the picture. You take any picture you please, a picture of a man, or of a woman, or of a child; the picture of an animal, or the picture of a landscape. You can send us a photograph, an old tintype, a photo button, a picture on a postal card, or any home-made photograph, and we will fix it for you right. We will photograph it right on the pillow top, send you the pillow top and back all free, and send unharmed the picture you sent us.

Our offer is fully explained in the personal and confidential letter which we will send you in reply to the coupon. But send the picture today. You will be delighted and pleased with the result.

Remember We guarantee everything. What we give free, we give free, exactly as per our offer. All you need do is send us a picture. You can send the picture and a letter, or you can just send the coupon and enclose a picture, photograph, tintype, photo button, or postal card picture, which ever you want, that is all. But send it at once. You can get this great free offer by writing to me promptly. **So do it now.** ☞

This Pillow Top is the very latest idea in fashionable homes. We have made a great hit in the fashionable residences of Chicago by this process of photographing on cloth, and I want to introduce this process throughout the country. By our new process we can take any tintype, cabinet photo, photo button, postal card, picture, landscape, or any other picture and photograph it on a piece of cloth so that it looks richer and finer than the richest engraving. We will show you and show you free.

Think of having one of these up-to-date pillow tops in your parlor. Think of having just the picture you want on this pillow top, and the pillow standing on the sofa or resting on a chair. Indeed it looks beautiful. It is more of an ornament to a room than you can imagine. Now get it free. See coupon. Address your letter to

Geo. Harvey, Mgr., 107 S. Clinton St., Chicago

CUT OR TEAR ON THIS LINE

Geo. Harvey, Manager, 107 S. Clinton St., Chicago.

I want the free pillow top with the picture which you will make me free to my order, as per your offer. I enclose photo, tintype, photo button, postal card picture (underline the kind of picture you are sending). Please rush this free work for me, and send me your confidential letter at once, explaining your wonderful offer and your method of printing on cloth. Send it free at once. Nothing for me to pay.

Name .....

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Address .....

Street No. ..... State .....

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

Do the Cadets realize that they are geting to be a pretty big institution? And they are growing like the finest crops on the most fertile soil. As we close the leters for this issue there are about 140 letters still waiting, and by the time this paper gets to its readers there will be not far from 200 that have not yet been printed. And they are just as good as those that have appeared in the paper. In fact the greatness of our Cadets of Equity consists in the excellence of the letters they write, and the fact that they extend into every state of this great Union, and even into other countries.

A Cadet of Equity is a learner, a student of Equity. What about advancement, graduation, promotion in our ranks? All the great organizations have degrees. Why not we? We are planning a system of degrees, of promotion, but we are not prepared just yet to announce it. Meanwhile let the letters come on and the organization grow. Not a single worthy letter goes to the waste basket. Of course, we cannot print them as fast as they come, but every writer of an acceptable letter is enrolled and becomes a recognized Cadet at once.

We open with this sweet little letter from Tennessee.

Dear Cadets: I would like to become a Cadet of Equity. I am a little crippled girl. My legs are both paralyzed, and I can't use them any except to crawl like a baby. I have been that way for five years and the doctors all say I am never to be any better; but I know the Lord provides for his children. I am 12 years old, and I have to stay in doors, but I have a great many things to make me happy. I enjoy my post cards and I love music. I can play any instrument I ever saw. I have a violin and can play anything on it; and I also have a guitar. I live on a farm of about 100 acres, 5 miles from town. We raise wheat, oats, corn and hay, and all kinds of fruits and berries and garden stuff. My grand prents live in town and I often go to stay a few days with them, and have a good time. I have a sister, Grace, 14 years old, and two brothers, Paul, 9, and Roy, 5; they are good to wait on me. I love drawing and can do very well at it. I can't go to school like other children, so I have to learn at home I wish I could get a letter from every state, telling me about the country and the writer. My papa and mama spent the first 15 months of their married life in Fordland, Mo. If there is any there that takes Up-to-Date I wish they would write to me. I have a go-cart to ride in and an Irish mail car that I propel with my hands by a lever. I buckle my feet on with a strap and I have a guide I use with one hand—I can't guide it with my feet. I can go on it by myself anywhere that it is level. I weigh 122 pounds; so you see I am as fat as a pig, and am enjoying life and good general health.—Nellie Tipton, Maryville, Tenn.

What can the Cadets do to brighten the life of this dear little patient girl?

Dear Cadets: I am a girl 18 years old, with blue eyes and blonde curly hair, and I have been reading some very interesting letters from the Cadets. We live on a farm of 200 acres five miles from Fonda, a town of about 1,000 inhabitants. There was quite a flood in Fonda and other towns that lie along the Mohawk river. Some people had to leave their homes on account of the high water, which nearly reached the second story of some of the houses.

As we live in the Mohawk valley, we get a beautiful view of the Adirondack Mountains. In the evening we can see the lights of the cities that are 12 and 15 miles from our farm. We lived in the city until two years ago, when we moved to a farm. I really do not enjoy country life as well as I did city life; but I think I would enjoy it more if I could ride horseback as some of the Cadet girls do. It must be beautiful along the Cedar river where so many fruits grow, as described by one of the Cadets. I would be pleased to receive cards from any of the Cadets. —May Hoyoboom, Randall, N. Y.

Dear Cadets: I am a little girl 14 years old, and have brown hair and blue eyes. I have been a reader of Up-to-Date for some time, and I like it very much. I like specially to read the Cadet letters. I like to look at the nice post cards I got from Mr. Everitt for subscribers, and I thank him for them very much.—Edna Singleton, Taylor's, S. C.

Dear Cadets: We have not been taking Up-to-Date very long, but I like it very much. I go to school to Miss Mary Cramm, who is a very nice teacher. I am 15 years old, am 5 feet 5 inches tall, weigh 107 pounds, have brown hair and blue eyes and can do any kind of farm work. My father carries rural mail on a route 24 miles long. We live on a farm about 3½ miles west of Titusville. I would like very much to exchange cards with the Cadets. —Sarah M. Roof, Titusville, Pa.

Dear Cadets: I live on a farm of nearly 200 acres. I am 13 years old and have light hair and blue eyes, and weigh 86 pounds. In summer I have to help my parents with the work both in and out of doors. In winter I have fine fun skating and riding down hill. We keep 17 cows and 2 horses, besides some young stock. We have taken Up-to-Date about 3 months and we like it very much. We have received many post cards as premiume from Mr. Everitt. I would like very much to post cards. I would like to correspond Leamon, Windsor, N. Y.

Dear Cadets: I am a boy of 15 years. I hunt and trap in winter. I caught a mink and a weasel. In summer I fish in Blackberry creek, where I once caught 15 suckers in half an hour. I have a 32 Winchester, a 16 shot gun and a 22 rifle. I live in a temperance town on the Great Northern railroad. It has but one store, a post office, and about 8 houses besides. My father takes Up-to-Date, and I like the Cadets very much. I also thank Mr. Everitt very much for the fine premium post cards. I would like to correspond with Pearl E. Anderson of Oklahoma.—Ward W. F. Watson, Blackberry, Minn.

Dear Cadets: My family has taken Up-to-Date for about two years, and I like the paper very much. My home is in Vermillion county, Ind., about three miles from the Illinois line. Our principal products are corn, wheat, oats hay some fruit and vegetables. I am 12 years old, go to school to Miss Mazie Richardson, and I like to ride horseback. I enjoy farm life very much, but I prefer the small village. Yesterday (March 23) the girls of the Hazel Brush school went to a nearby woods and gathered spring beauties. I would like to exchange cards. I have seen several card trips around the world, but I think none so pretty as those Mr. Everitt gives.—Susie E. Wright, Covington, Ind.

Dear Cadets: I have been taking Up-to-Date for about two months, and I like it fine, especially the Cadet letters. I think the young folks write some mighty nice letters. I am 14 years old, have brown eyes, light hair, am 5 feet 5 inches high, and weigh 107 pounds. I go to school to Miss Jessie Goodman, who is very kind to me. I would like to correspond with all the Cadets.—Pearl Hollis, Lexington, Tex.

Dear Cadets: I am 15 years old, have light hair and blue eyes, am 5 feet high, and weigh 120 pounds. This is a fine farming country. We raise potatoes, peas, corn, cotton, and all kinds of vegetables. All cards from the Cadets will be answered.—Vera Hollis, Lexington, Texas.

Dear Cadets: I am a girl 13 years old, and I live on a farm. The farm we live on belongs to my grandmother; but she is dead now, and we are taking care of her place, consisting of 360 acres. I have 2 sisters and a brother, and several pets, among them 7 hens and a rooster. We have 3 horses, 17 head of cattle, and some pigs. We like Up-to-Date fine.—Clanthe Wills, Michigan Bluff, California.

We have now entirely filled our space, and must close for this issue.

BOYS and GIRLS



If you want a genuine Shetland Pony and Rig, **write to me today** for my new and the **easiest plan** you ever heard of. Don't send any money, just a postal, and **say you want a pony. I will be glad to help you.** Address **P. YOUNG, Agent Pony Farm, Box No. 755 Springfield, Ohio**

VENTRILOQUISM TAUGHT

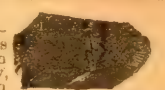
If you can talk you can become a ventriloquist and throw your voice into the distance. You use the ventriloeal voice every day but don't know how to control it. Twenty minutes practice will do it after you learn. Send $1.00 for lesson which explains how to produce the sound. Ult Institute, S. W. Division, Greensburg, Kansas.

JAP SNEEZE POWDER



Cachoo. Latest novelty for jokers. A specially prepared powder, extra strong. Smallest part when blown in to the air causes every one present to sneeze. Sample PP. 10c. 3 for 25c silver. R. S. Cameron & Co., 24-30 5th St. Marcy, Minn.

X-RAY KATHODOSCOPE. Latest pocket curiosity Everybody wants it; tells the time on watch through cloth, Apparently see your fellow, best girl or any object through cloth wood or stone, any distance, all climates; lasts lifetime; always ready for use. Price, 25c. stamps or silver **Alden & Co., Sta. A, Indianapolis, Ind.**



$5.00 Per 100 FOR NAMES

We will send **10 assorted post cards for 10 cents** and blanks free for collecting names at 5c each. HARRISBURG POST CARD CO., Harrisburg, Pa.

Wanted—A man or woman to act as our information reporter. All or spare time. No experience necessary. $50 to $300 per month. Nothing to sell. Send stamp for particulars. SALES ASSOCIATION. 629 Association Building, Indianapolis, Indiana

MAGIC NEEDLES RODS, Goldometers, Chronometers, etc., for treasure seekers. Millions of wealth under your feet. Guaranteed the best made. Interesting booklet for 2c. stamp. **FREE** P. & M. AGENCY, 119 Elk St., PALMYRA, PA.

Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents. **Miners Supply Co.** Dept 2 , Palmyra, Pa.

25 LOVERS' POST CARDS and NAME CARDS The finest line ever sent out. (No two alike). Floral Motto, Friendship, Birthdays, Pretty Girls, Love Letters, Love Scenes, Escort, Acquaintance, Hidden Name and other new cards; also our Big Illustrated Catalogue and Premium List, all for **10 Cents.** UNION CARD CO., B 73 Columbus, Ohio.

919 CARDS Silk Fringe, Envelope, Hidden Name and other 200 New Songs and Love Verses. 100 Rich and Racy Jokes. 1 Pack Escort and 1 Pack Acquaintance Cards, New Beau Catcher, Big Sample Book and outfit. All 2 Cents. COLUMBUS CARD CO., B 48 Columbus, Ohio.

$250 PRIZE

TRY FOR IT, SURE!

Nothing Hard, but Calls for Some Smartness and Skill. It Means $250 in Gold for You or Someone.

This is not a music offer—just a puzzle—a brand new one—interesting whether you know music or not. **$250 Reward** for working it. Are you smart enough to find out what sentence this diagram makes? You can consult books or musicians and get your friends to help you, but perhaps you are shrewd enough to read the sentence yourself. Just try it and see. **Someone will get the $250; WHY NOT YOU?** The given notes, when correctly read, make a sentence, which **we will pay you to work out.** The notes run as in music—those on the **LINES** are **E, G, B, D, F;** those in the **SPACES** are **F, A, C, E,** as shown by the letters at each end of diagram, to be read from left to right as in ordinary print. Thus the first four notes make the word "AGED." **What is the rest of the sentence?** The **$250 prize** will surely be paid without quibble or fail, and if you have any use for money you should not pass this by; **you might just as well win the gold prize as the next one.** Write out your answer now and send it to us today with 50 cents for **6 month's** subscription to our big illustrated **weekly, the Pathfinder.** Gives gist of news at home and abroad; non-partisian, reliable; more real meat in it than in any dozen other papers put together. 17th year of success. We have paid out many hundreds of dollars in prizes; our awards are always made promptly and fairly. Now, send us your answer to this puzzle at once, inclosing 50 cents for the PATHFINDER weekly for 26 weeks and you will call it the best investment you ever made. Contest closes June 27, 1910; prizes paid and winners' names published at once. **To the person who correctly reads the puzzle we will pay $250 in cash.** If there should be more than one correct answer we will divide the prize equally among the tying contestants; every correct answer gets a cash prize. You mustn't miss this chance. Pathfinder 26 weeks 50 cents and CASH PRIZE if reading is correct. Don't delay; this ad will not appear again. 50 Cents Brings Paper 26 Weeks and **Correct Answer Secures Prize Money.** Address **The Pathfinder,** Box 51 **Washington, D. C.**

OFFERS FREE MEDICINE TO PROVE HE CAN CURE

Remedies for Kidney Trouble, Bladder Trouble and Rheumatism Sent Free to Any Applicant Without Charge.

For the benefit of those who are suffering with Kidney Disease, Bladder Trouble or Rheumatism, I am offering for a limited time a free trial course of my medicines. There is no trick, no deception, no unfair methods. Any sick person who writes me, giving symptoms, and asking for the free treatment, will receive medicines and directions without a cent of cost. The patient makes no promise to pay, and will never be asked to pay for the free test course. Read over the list of symptoms and if you find one or more symtoms which are troubling you, you need medical attention. Do not lose time; the longer you put off treatment, the longer it will take to cure you.

In simple words here is my offer: Read carefully the list of eighteen symptoms here, mark the ones which you have noticed in yourself, clip out the list and send it to me with your name, age and address. I will give you my personal attention, will determine which of the numerous forms of Kidney and Bladder Disease or Rheumatism has attacked you and what medicines you need, and will mail you medicines and directions free, as well as large illustrated Medical Book that tells all about these diseases. All curable forms of these uric acid maladies have yielded to my method. It should conquer yours. Write me today, addressing *Dr. T. Frank Lynott, 3765 Occidental Building, Chicago, Ill.*



DR. LYNOTT

SYMPTOMS

(Mark a cross beside the number of each symptom you notice in your case.)

1—Pain in the back.
2—Too frequent desire to urinate.
3—Burning or obstruction of urine.
4—Pain or soreness in the bladder.
5—Prostatic trouble.
6—Gas or pain in the stomach.
7—General debility, weakness, dizziness.
8—Constipation or liver trouble.
9—Pain or soreness under right ribs.
10—Swelling in any part of the body.
11—Palpitation or pain around the heart.
12—Pain in the hip joint.
13—Pain in the neck or head.
14—Pain or soreness in the kidneys.
15—Pain or swelling of the joints.
16—Pain and swelling of the muscles.
17—Pain and soreness in nerves.
18—Acute or chronic rheumatism.

REQUEST *ADVERTISERS WANT TO Know in what Paper they saw. Therefore We* **TO** *their Advertisment was Urgently Request You to mention UP-TO-DATE every time you Write to Our Advertisers.* **READERS.**



MORE MONEY FROM COWS

Protect your cows from flies and they will give more and richer milk—stand quiet while milking. Returns 400 per cent profit. Use

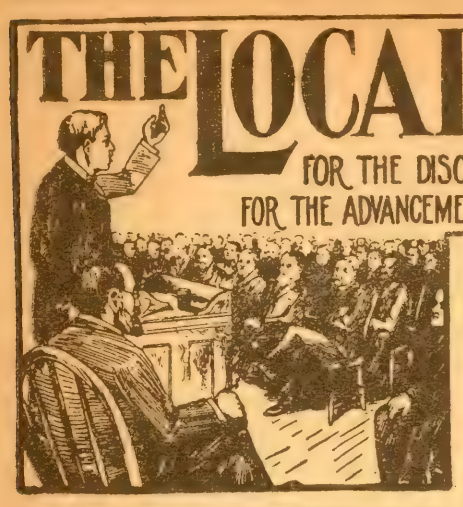
FLY-FUMA

and all flies and insects leave. It is harmless to man and beast. Cures sores. Good for horses; lice on poultry, fleas on dogs, etc. Easily applied with sprayer or cloth.

Free With first order for 1 gallon we give a 50c Electric Sprayer—best made. Quart 35c; gallon $1.00; 5 gallon can $4.00. Made by

O. K. SEED STORE
Box A, Indianapolis, Ind.
Dealers write for prices.

"I used Fly-Fuma on 50 cows in dairy with perfect success. Man with sprayer will go over the herd in ten minutes. I use on horses with fine results. It is fine for sore shoulders and harness galls. I used Fly-Fuma on dogs for fleas and on chickens for lice with perfect results." F. McGAVOCK, Nashville, Tenn.



Up-to-Date Farming

PUBLISHED TWICE A MONTH
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J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

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THE LATEST DATE shown with your address is the date to which your subscription is paid. Please keep your time paid in *advance*.

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Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

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The true source of riches is husbandry.—Benjamin Franklin.

—o—

Franklin was right, when he lived; the saying is true today and will always be true for this country.

—o—

Agriculture is the source of riches for manufacturers, transportation and nearly all commercial lines. Without agriculture to supply raw material and the farms as a market for manufactured goods, all of these would languish. But is agriculture making the people who are engaged in it rich, or are they getting their share in proportion with others?

—o—

The citrus growers of California appeared recently before the Interstate Commerce Commission and testified that they have 125,000 acres of orchards **representing an investment of $125,000,000,** and that they do not make one per cent on their investment. Compare this profit with the dividends paid by railroad systems, manufacturers and commercial enterprises.

What is the reason? Is there a remedy?

—o—

The reason is obvious. It was disclosed when the California citrus growers appeared before the commission in an attempt to get a reduction in the freight rate, which they hoped to turn to their profit. But would not the selling price be reduced as much as the difference in freight and the growers would be no better off? Their trouble will continue just as long as the citrus growers neglect to organize in all producing sections and set the price and get it before they part with their property. Just as long as they will work for one per cent on their investment, other people will permit them to or compel them to. But if they will organize as this paper teaches they will not be compelled to accept such a beggarly reward a season longer.

—o—

In this number we print the first of a series of articles on the exchange, or board of trade method of making prices on farm crops, and will continue them through four numbers.

—o—

Each of our readers will take an especial interest in these articles, because they will reveal the weaknesses, and even evils of the old system, and the strength, beauty and equity of the new Equity System.

—o—

To some it will appear like a waste of space to print specific cases of the inadequacy of the old system, but in no other way can we hope to awaken our readers to the necessity of immediate action on their part to abandon it and use the new one. Every month of delay represents the loss of more than a million dollars, and after each season of delay farmers will continue to repent in sackcloth and ashes.

—o—

As an illustration of how farmers arrive at the time to market, we relate what a miller heard when he attended an Illinois church. This is what he gathered from hearing the farmers talk after the services:

They were not altogether in unison in their views on wheat crop condition, but the majority were disposed to believe crop conditions were improved by the recent cool, wet weather. A number of them were anxious to know when the Texas crop would be harvested and marketed. One of them voiced what they wanted when he said: "I've got some old wheat on hand, and I want to sell it before any new wheat moves."

—o—

Also the deplorable lack of information about supply and demand of crops and a system to direct the marketing is shown by the following dispatch:

Pittsburg, May 12.—Quite a number of farmers have been arriving lately to look the old potato situation over. They can't believe the reports sent out as to the condition of the market, and drop in to see for themselves. Some bring a carload along, but the majority come to see before they take chances. Most of the farmers come from Ohio, but an occasional one drops in from York State and Michigan. A few shippers have arrived recently also, but they have been outnumbered by the farmers, as shippers, as a rule, know who they deal with and know they can rely on the reports they receive.

When the farmer learns the condition he usually says he is sorry he didn't sell last fall. In October he was offered 50 cents a bushel at loading point and refused it. With a potato market at Pittsburg ranging 25@35c, he says it will not pay him to haul to the railroad. An intelligent farmer from Ohio said: "I guess we farmers are just as much speculators as the gang that plays the stock market. We are not quite as bad as the gold mine stock shark, but we can give him pointers in some respects. There are thousands of bushels of potatoes back in Ohio that will never be marketed.

The Equity System of reporting the supply and demand, and directing the supply to the demand, will make the distributing end of the farmers' business as certain as that of any business in the country. With the system in operation for the 1909 crop of potatoes we are positive a market would have been found for every bushel at profitable prices.

—o—

From the "Daily Trade Bulletin," being the daily report of the Chicago Produce Market, of May 23, we make the following extracts:

STRAWBERRIES—Over 50 cars of berries were on the market this morning. The arrivals were from Illinois, Tennessee, Indiana, and a few from Michigan. *A very weak market existed. Offerings were far in excess of the requirements. Sales were at greatly reduced prices. At a late hour the supply was still heavy and prices were steadily going lower.*

ASPARAGUS—Prices were lower. Offerings were in excess of the demand.

CUCUMBERS—Offerings exceed the demand. The easy feeling continues.

RADISHES—Market weak and very quiet. There is no use in sending radishes to this market unless they are in every way fancy.

STRING BEANS—Offerings were far in excess of the demand, receipts being over seven cars. There was no regular market. Buyers had the advantage and were offering very low prices. Poor beans of any kind are really without any regular value.

TURNIPS—Offerings exceed the demand. They are not wanted at all unless really fancy.

And this was duplicated on many other markets while there were others, particularly in smaller cities, where all the surplus stocks would have found waiting markets at profitable prices.

—o—

Just one more illustration: On April 23, 1910, F. W. Schauer of Lauree, Montana, wrote us that he had five or six cars of potatoes all sorted and sacked ready for shipment, but no market. "There are others, my neighbors, in the same boat. Can you assist us to find a market?" he said.

We expressed doubt about being able to help him so late in the season, but we gave him names of houses in Denver, Omaha and Kansas City. On May 20 he wrote as follows:

I wrote to each of the parties, but the prices were too low considering the freight. Freight to Omaha in car lots is 69 cents, and to Kansas City 76 cents. Denver houses replied that they had more potatoes than they could use. It seems to me that something is wrong that such a state of affairs could be.

—o—

Something is wrong. It is the lack of system. If a business-like system had been used to market the 1909 crop of potatoes, and begun at the start, all could have been sold at profitable prices much to the relief of consumers who complained of the high cost of living. But no system could find a market for all the potatoes held over till the spring of 1910.

—o—

It is purely a matter of knowing where the demand is and where the supply is, and a system of bringing them together. The Equity System will do it, and producers do not need to do business under the old uncertain, expensive and ruinous plan a season longer than they want to.

—o—

See page 2 of this number and send the coupon for full instructions how to use the Equity System.



This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

QUESTION. *I have been studying the Equity System of Marketing and am intensely interested. We of Monmouth Co., New Jersey, usually send our produce to New York City. If we were to join the Farmers Society of Equity and use its system, would it be necessary to report our supply to headquarters and receive shipping instructions from there?—R. O. P., Freehold, N. J.*

ANSWER. Yes. At first glance this may seem foolish, but should you be permitted to throw your produce on the New York market independently, it would affect the price of supplies from other points and vice versa. Besides, there can be no good excuse for not reporting, so far as expense is concerned, as 50 cents will send a report for your county and the same small sum will give shipping instructions. One of the great advantages of the system is in the fact that *all* competition in marketing will be eliminated when this system is established.

A similar inquiry comes from J. D. Graham of Park county, Montana. He says that practically all their crops are con-

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble.

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 55, Sta. F, Toledo, Ohio.

WANTED

Experienced organizers—Those who have gotten good results in organizing fraternal societies, co-operative societies, farmers' elevators creameries, etc.—or others who think they can make good.

We can offer the best inducements to such people they ever had. Business lucrative, honorable, pleasant.

Addres: Dep't of Organization,
FARMERS SOCIETY OF EQUITY.
Indianapolis, Ind.

Stomach Troubles
Vanish Like Magic

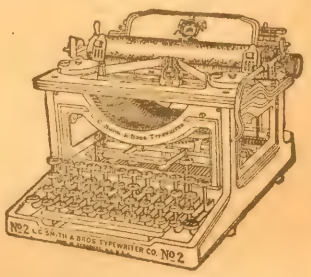


Dr. Young's **PEPTOPADS cure** where medicines alone **fail.** They regulate the bowels, relieve soreness, and strengthen the nerves and muscles of the stomach in either sex. You can eat what you want and all you want without fear of distress. The cures effected are marvelous. If you have **Dyspepsia, Indigestion, Sour Stomach, Distress after Eating, Nervousness, Dizziness, Heart Fluttering, Sick Headache,** etc., send 10c to cover cost of mailing, and I will send you a **$1.00** treatment absolutely **free.** It will relieve you immediately. Address **DR. G. C. YOUNG, 243 National Bank Building, Jackson, Michigan.**

PILES CURE--ETTO guaranteed SURE Cure. Quick relief. We mean a cure and furnish proof and best references. Our cure mailed sufferers FREE on trial. If benefitted pay $1.00; otherwise pay nothing.
Home Treatment Association, Dept. 50. Indianapolis, Ind

PILES If you are troubled with Piles, Try Dixon's Pile Remedy. Send stamp for sample. T. W. Dixon, 5330 Union Ave., Chicago, Ill.

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Syracuse, N. Y., U. S. A.
INDIANAPOLIS BRANCH, No. 5 W. Market St.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Agents Wanted

AGENTS: 100 per cent. profit. Monkey-wrench, plumbers plyers, with 13 other tools combined. Most wonderful combination of tools ever made. Lightning seller. Sample free for examination. Forshee Co., B. 1365 Dayton, Ohio.

AGENTS—Handy Hame Fastener. 200 per cent. profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

Boys Wanted

BOYS—Send 25c for literature and organize best order going for boys. Signs, stocks, etc. Sec. A. B. O., Ballinger, Tex.

Farm Lands For Sale

FOR SALE—Central Wisconsin lands, $10.00 to $15.00 per acre. Badger State Land Co., Madison, Wis.

ROUTT COUNTY, COLORADO—Bargains in ranches and relinquishments; some good homesteads yet to be taken in this locality. Write us. Wright & Son, Yampa, Colo.

STOP! Investigate North Dakota. Here health and wealth go hand in hand; 50,000 acres of our own land; counties of La Moure and Stutsman; greatest land bargains in America; $23 to $30 per acre; choice farms, improved and unimproved. Easy terms if desired; near railroads; good towns; every convenience. Will double quickly. Good crop often pays for this land. Maps, literature, full particulars, free. Land shown from our own automobiles. Write. Sheils & Weaver, 105 Main St., Edgeley, N. D.

Farms Wanted

WE CAN SELL your property; send description. Northwestern Business Agency, Minneapolis.

For the Home

RICE—100 pounds, beautiful, clean white table rice, delivered in double sacks, freight prepaid, to your railroad station, $4.60. J. Cabaniss, Rice Farmer, Katy, Texas.

WOMEN'S SHOES—Regular sizes or made to measure, factory to you. Price right: Particulars for stamp. F. A. Crocker, Lincoln Centre, Me.

Male Help Wanted

MEN WANTED—To try coming Railway Mail, Internal Revenue and Postoffice Examinations. $50.00 to $125.00 monthly. Common education sufficient. Political influence unnecesary. Candidates prepared free. Write immediately for dates of coming examinations in your neighborhood. Franklin Institute, Dept. T 27, Rochester, N. Y.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

HOUDANS OF QUALITY; Cockerels; Eggs, $3.00 per setting—half price after June 1. Geo. L. Flower 437 Jefferson St., Indianapolis, Ind.

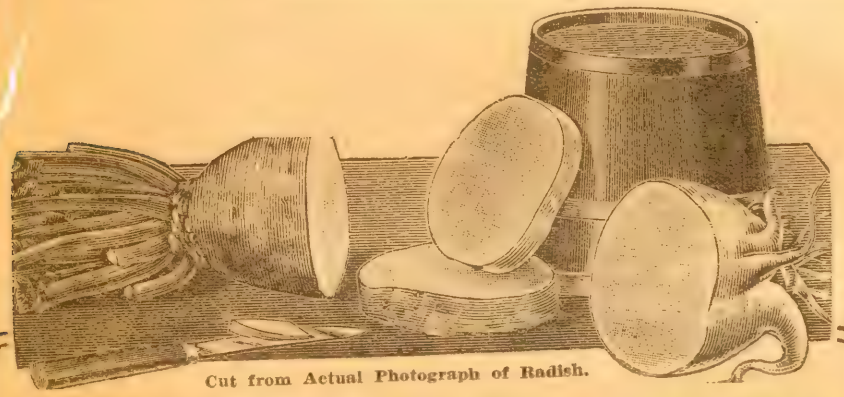
ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist, Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to M. George & Co., 95 S. Water St., Chicago. Established 1866. Member the National League of Commission Merchants of the U. S. This house has special terms to quote to members of the F. S. of E.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Greatest discovery of century. Send your name at once. KING NI-KO U, Wichita, Kansas.



Cut from Actual Photograph of Radish.

GIANT RADISH FROM JAPAN

"SA-KURA-JIMA"

Has Been Grown by Our Readers to a Weight of 42 Pounds and to a Size of 10x18 Inches

This wonderful radish was introduced from Japan several years ago by the U. S. Dept. of Agriculture and was successfully grown last year by Fruit-Grower readers. We have secured the entire supply of seeds and offer it for testing.

10c—Trial Packet Seeds—10c

This is a late radish and may be planted August 1st.

It should not be planted earlier than July 1st. Send 10c, coin or stamps, at once before seed supply is exhausted and we will send you free, a copy of the Fruit-Grower, the best garden and fruit magazine published. We will offer cash prizes for the largest radishes grown from the seed. Write at once.

THE FRUIT GROWER, Box 926, Saint Joseph, Missouri

sumed in the State or in adjoining ones, and he asks whether under such conditions it will be necessary to report the supply to the central clearing house. My reply is about the same. It is only by having all the supply and all the demand known at one place that we can guarantee *all the* demand to be supplied and all the supply to be equitably distributed without competition.

It will be some time before the system will be completed and practical to direct from headquarters. In the meantime all shipments should be made to the Society representatives on the various markets. List will be supplied on request.

Q. *I raise crops only to sell in our home markets: I do not ship any. Will the Equity System be any advantage to me?—A. N. C., Louisville, Ky.*

A. No. The Equity System has to do only with the shipping part, and what is to be marketed at home must never be reported. You should, however, become a member of our society.

Q. *What is meant by "county units" and "market units" in the Equity System? —J. R. S., Providence, Ky.*

A. Headquarters deals only with the county unions of the F. S. E., and it is sometimes called a unit. Thus, headquarters gets a report of the total number of cars, or bushels, or bales, or tons, or barrels, or crates, of produce that are in the county, but knows nothing about how much each individual has. Each market is also called a unit and one report from the society's representative in hundreds or thousands of carloads, bushels, barrels, bales, crates, or as it may be, is all that headquarters knows about the demand of that market. The representative and his force of assistants attend to the detail work.

There are about 2500 counties in the country. We estimate that not more than 1500 of these will have crops to report on an average, daily. We do not know how many markets there will be, perhaps 500. The total of the counties and the markets will represent the reports to and from headquarters daily.

Q. *When will the Equity System be ready to be used? Can we use it for marketing our 1910 crops?—A. W. C., Bay City, Mich.*

A. The system is ready to use now, but it is not completed to give perfect results. Bonded representatives are ready in about 50 markets. Local and county unions and individual members will be connected with the system on making application on blanks furnished by the Farmers Society of Equity. It must be understood that producers cannot have all to say about the prices until there is much more organization, but through the Equity System they can get much better prices than outside of it even now. This is because of direct shipments, personal representation, economical selling, honest weights and grades and correct reports.

Q. *I enclose a clipping "Wall Street Wants Your Money." Is there any truth in it? If so, why is the Western money sent to New York only to be sent back when we need it? What sense is there in letting Wall Street drain the country of money?—R. J. S., Nisbit, N. D.*

A. The dispatch referred to was dated New York, January 20, 1910. Yes, there is probably truth in it. In the fall and winter farmers sell their crops and put their money in the banks. They sell their crops much faster than the real demand needs them, and millions of bushels find their way into elevators, cold storage houses, warehouses, etc. The people who stored them must borrow large sums of money to pay for them, and New York is the great money market of the country. When the Western farmers deposited their money in bank there was no demand for it and naturally it seeks the place where there is a demand, which is New York, and the Western bankers get interest for its use.

Of course only a part of it is used to pay for and hold the farmers' crops. Manufacturers, railroad companies, merchants and other bankers look to New York for money when they need it and vast sums are used by speculators.

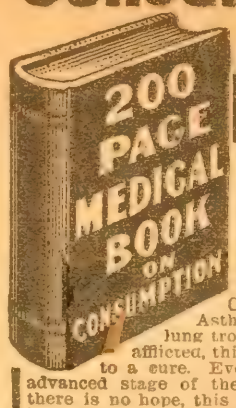
Sending the money to New York is neither an unmixed evil or blessing, and some reforms could be brought about if the farmer class was organized to stand together for its own good and the good of all the people.

Q. (1) *We want to know whether it will be possible to have the benefit of your society and system in connection with our Society of Gleaners. We started here a year ago with a charter membership of 35; we now have 70 members and are going to build a hall.* (2) *Can you tell us the best way to raise the money to build our hall?* (3) *Would you advise building two stories and basement or just one story and more floor space?* (4) *If you can, give plans and an estimate of the cost of a good Equity Hall.*

We want a good, large, modern hall, something that we will be proud of and that will accommodate the crowds that will come to our meetings. We have gas and electric light and street cars within half a mile of our hall site. (5) *We have telephones, good gravel roads, rural free delivery, automobiles and everything the progressive Americans have today. Why shouldn't we have an Equity Hall and a Farmers Society of Equity?*

A. (1), (2), (3), (4). I have mailed to you plans, estimate and instructions for building an Equity Hall. (5) I am sure there is no good reason why you should not have them, and through using the Equity System of Marketing, your business will be certain and so profitable that the step will be completely justified.

Consumption Book FREE



This valuable medical book tells in plain, simple language how Consumption can be cured in your own home. If you know of any one suffering from Consumption, Catarrh, Bronchitis, Asthma or any throat or lung trouble, or are yourself afflicted, this book will help you to a cure. Even if you are in the advanced stage of the disease and feel there is no hope, this book will show you how others have cured themselves after all remedies they had tried failed, and they believed their case hopeless.

Write at once to the Yonkerman Consumption Remedy Co., 4131 Water Street, Kalamazoo, Mich., and they will gladly send you the book by return mail free and also a generous supply of the New Treatment, absolutely free, for they want every sufferer to have this wonderful remedy before it is too late. Don't wait—write today. It may mean the saving of your life.

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FREE STUART'S PLASTER-PADS are different from the painful truss and being self-adhesive they hold the rupture in place without straps, buckles or springs—cannot slip, so cannot chafe or compress against the pelvic bone. The most obstinate cases cured in the privacy of the home. Thousands have successfully treated themselves without hindrance from work. Soft as velvet—easy to apply—inexpensive. Guaranteed in accord with National Drug Law. We prove what we say by sending you Trial Treatment absolutely FREE

STUART'S ADHESIVE PLASTER-PAD TRADE MARK REG'D PATENTED SEPT. 12 1908

TRIAL OF TREATMENT

Write to—STUART PLASTER-PAD CO. Block 59 St. Louis, Mo.

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

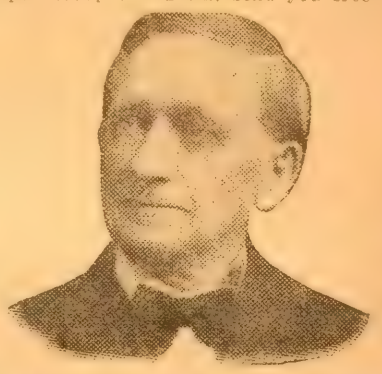
BED WETTING Cured. 25c pkg. FREE C. H. ROWAN, Dept. 72, P.O. Drawer 794. Chicago

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After Thirty Years Experience I Have Produced An Appliance for Men, Women or Children That Cures Rupture.

I Send It On Trial.

If you have tried most everything else, come to me. Where others fail is where I have my greatest success. Send attached coupon today and I will send you free my



The above is C. E. Brooks of Marshall, Michigan, who has been curing Rupture for over 30 years. If Ruptured write him to-day.

illustrated book on Rupture and its cure, showing my appliance and giving you prices and names of many people who have tried it and were cured. It is instant relief when all others fail. Remember I use no salves, no harness, no lies.

I send on trial to prove what I say is true. You are the judge and once having my illustrated book and read it you will be as enthusiastic as my hundreds of patients whose letters you can also read. Fill out free coupon below and mail today. It's well worth your time whether you try my Appliance or not.

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Please send me by mail in plain wrapper your illustrated book and full information about your Appliance for the cure of rupture.

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Everybody wants a telescope. Who has not wanted to study the stars at night? Who has not needed to see things at a distance?

But a good telescope has heretofore been out of reach of the masses because of the price. A small, inferior glass would cost a good many dollars. We want to introduce the Excelsior Telescope into thousands of new homes so make this most liberal and astonishing special offer. Tell your friends—advertise it—that is the object of this offer. Only $1.00 for a telescope three and one-half feet long when extended. Measure the distance—42 inches. The like was never known before. Order today before our supply is exhausted. Remember we guarantee satisfaction or money back. No risk when you order an Excelsior Telescope. And we will include a Solar Eye Piece that has never been supplied before on telescopes selling for less than many times the price of this. Study the sun—look at him face to face by using the Solar Eye Piece.



Telescopes heretofore provided with a Solar Eye Piece or dark lens for sun observation have cost from $8.00 up. We have reproduced a Large Solar Telescope, which for $1.00 will enable people to correctly see the sun for the first time. Previously you have only seen the rays of light, or sunbeams.

STUDY THE SUN

The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light, which is larger by 900 times than all the planets combined, and which supplies all the planets with energy by its radiance. Our $1.00 Excelsior Telescope will help you in this study, notwithstanding the fact that the Sun is 93,000,000 miles away. Through the Solar Eye Piece you can see the sun as you never saw it before. Not only is the sun magnified through this Telescope, but the Dark Lens and the Solar Eye Piece robs it of its dazzling effect on you, and you can see the sun properly.

This is a long, powerful Telescope, for terrestrial and celestial use. This Telescope is provided with an adjustable Solar Eye Piece for sun observations. Every student, male or female, needs this Telescope to study the sun in *eclipses*, also the mysterious recurrent sun spots.

Never before was a Telescope with Eolar Eye Piece sold for less than $8.00 or $10.00. This Eye Piece alone is worth more than we charge for the entire Telescope to all who wish to behold the sun in its tranquil beauty. Remove the Solar Eye Piece Lens and you have a good, practical Telescope for land observation, etc.

POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3 1-2 feet, in 5 sections. They are brass-bound, brass safety cap on each end to exclude dust, etc. with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1. Postage 10 cents extra. If insurance is desired, 10cts. more. This is a grand offer, and you should not miss it. We *warrant* each Telescope to give satisfaction or money refunded.



Superior to a $15 Glass

Fred Walsh, of Howe Island, Ont., Canada, says: Gentlemen—I have just received your telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are more than double what it cost me.



Brandy, Va.
Gentlemen:—Please send me another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money.—R. C. Allen.

An old hunter tells us that he never goes into the woods without a strong lense to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines.

Microscope and Telescope

I have fairly tested the Excelsior Solar Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.—F. S. Taylor, Box 376, Davenport, Iowa.



Using the Eye Piece of an Excelsior Telescope as a Microscope.

BUY THE BOY A TELESCOPE

Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy,* if he is given a few ideas now to think about.

There are always many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*

HISTORY OF THE TELESCOPE

The telescope seems to have originated in Holland early in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own Excelsior Telescope was first brought out in 1886, but the Excelsior Telescope of today, with its Solar Eye Piece, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.

COUNT CATTLE 20 MILES AWAY

A Kansas Farmer Counting Stock Twenty Miles Away

I wish all to know how satisfactory the Excelsior Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, Yours truly, F. G. Patton, Arkansas City, Kans.

Mr. C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.

Could Discern Boats from Five to Ten Miles Away

GOOD THINGS OTHERS SAY

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.
Very satisfactory.—Eugene J. Halle, Booneville, Mo.
Wonderful at the price.—Alfred L. Edwards, Athol, N. Y.
Satisfactory in every way—H. J. O'Sullivan, Schnectady, N. Y.
Much better than expected.—O. R. Oakley, Bridgeport, Conn.
Just as you represented.—T. W. Wakeman, Waterlick, Va.
Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.
Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.
Would not take $5 for it.—Thomas L. King, Luffman, S. C.
If I could not get another, would not sell it for $10.—T. Huntre, Falls, N. C.
Could read signs on Oakland Pier, three miles away.—E. Salanave, San Francisco, Cal.
Send two more: well pleased with first one.—J. W. Seifert, Prattville, Ala.
WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room to print.

You need not take our word for it, but write ony one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITY,* and send us the money, *and we will guarantee you perfect satisfaction or money refunded.*



Using an Excelsior Telescope Lens to Light Cigar

SUN SPOTS



The mysterious spots on the Sun. Get our Solar Telescope and see them.

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the general level. Their cause and the precise theory of their formation are still uncertain. At intervals they are very abundant; then there are periods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and the violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effects upon the weather!

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Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, JUNE 15, 1910 | Number 12

PRODUCE EXCHANGES vs. THE EQUITY SYSTEM OF MARKETING FARM CROPS

SECOND ARTICLE

We repeat part of our introduction from June 1 number as follows:

"John C. F. Merrill, Vice-President, Board of Trade of the city of Chicago, wrote a series of four articles, 'Study of Economic Functions in System of Production and Distribution,' which was originally published in 'Chicago Commerce' in March and April, 1910. Later the articles were printed in pamphlet form for general distribution.

"The subject was considered under four heads as follows: Article I. 'General outline of the functions of the produce Exchanges in Modern Commercial Life.' Article II. 'Buying and Selling for Future Delivery.' Article III. 'Speculation.' Article IV. 'Exchange Evils and their Cure.'

"Naturally the purpose of the article was to justify the continuance of Produce Exchanges and Boards of Trade as they exist and to counteract the efforts directed through congress to close them out or confine ther operations to dealing in the real commodities.

"In view of the mission of UP-TO-DATE FARMING to establish a sound marketing system for farm crops that will eliminate the evils of the old system and make farming as definite and certain for profits as the best regulated business in the country, we assume to reply to Mr. Merrill's article. We will compare the present produce exchanges and their system of price making and marketing crops, with the Equity System that we are establishing and leave it to the reader to decide between the two.

"We will not quote all of Mr. Merrill's article as, for comparison that will be quite unnecessary. We will say, however, that we will not omit anything that will make what we do quote less clear, or pervert its meaning.

"In this article we will consider Article No. II, and follow with the remaining two articles in succeeding numbers. First we will print the quotations and then follow with our criticisms, comments and comparison."

Readers who want the first article should send five cents for June 1st number or 25 cents for 12 copies.

ARTICLE II—BUYING AND SELLING FOR FUTURE DELIVERY.

The preceding article set forth in a general outline the functions of the produce exchanges in modern commercial life. The present one has to do with the buying and selling of grain and provisions for "future delivery," commonly known as "dealing in futures."

1. As indicated in the preceding article, the work of produce exchanges is roughly divided into two classes: First, the buying and selling of grain or provisions as a commodity, where the title passes immediately upon the consumation of the agreement known as the "cash grain," or "cash provisions," branch of the business, and the other the buying and selling in the "pit" of grain and provisions for future delivery. No queston has ever been raised as to the value and necessity of the former, and I submit that none can. The latter, however, has been the subject of much criticism of late years at the hands of publicists and legislators in congress and various state legislatures.

2. The explanation for this, as I see it, lies not in the fact of its greater vulnerability, for to one who understands the facts the two methods are inseparable, like the Siamese twins, each dependent upon the other, for the ultimate marketing of the world's gigantic supplies of grain and provisions at the least inconvenience and economic loss. The secret lies, rather, in the profound ignorance among the public at large respecting the character of the "future" business.

3. Relatively speaking, the nature of the 'cash grain" business is fairly understood.

4. The very rapidity, however, with which business is transacted in the "pit," the apparent excitement that exists there during the trading hours and the intricacy and mystery of it all, but confirms the conviction of the layman that the system of buying and selling for future delivery has been specially devised to permit gambling operations upon a more extensive and more respectable scale than at the race tracks. He knows nothing of its value to the producer in providing a market for his products, its utility to the elevator man and miller in insuring his profits, or its advantage to the banker in calculating his loans to the grain merchant. Being ignorant to the real facts, the idea always dominant in his mind is, "why should we stop gambling at the race track and permit it upon the produce exchange?"

5. The system of buying and selling grain and provisions for future delivery as transacted upon the Chicago board of trade is, after all, essentially simple. Its counterpart is seen many times every day in the ordinary affairs of life.

6. The milkman who contracts to supply us with milk for the ensuing year, the coal dealer who agrees in July to deliver our winter's coal in the following November, the contractor who binds himself to build a battleship, or a great building, all at an agreed price at the time the contract is made, are but doing what is done every minute of the day during the business hours in the "pit." The milkman does not have at hand the year's supply of milk, the coal man hasn't the coal, nor has the contractor the bricks, lumber and structural iron. But they all know when the contract is signed they in turn can go out and by contract with the farmer, mine owner and steel mills, procure the materials to satisfy their original contracts. This is identically the principal upon which grain and provisions are bought and sold for future delivery.

7. Throughout the world during almost every hour of the three hundred and sixty-five days of the year there is somebody who wants to buy and somebody who wants to sell varying quantities of the products of the soil. The farmer may have his crop still in the ground, or he may have it upon his farm waiting a time when the roads are in condition to bring it to market, or he may have it stored in an elevator at his own expense, waiting for a better price —yet in each of these cases he can and usually does dispose of his surplus crops by selling them through a broker upon some Board of Trade for delivery at a future time.

8. In the same way the miller may have a contract to deliver thousands of barrels of flour for export, or his elevator capacity may be small and he may desire to insure himself a sufficient quantity of wheat from month to month to keep his mill going at its greatest capacity—he also uses the machinery of the "future" contract in purchasing his supplies. And so it goes throughout every link in the chain from the producer to the consumer, the buying and selling of grain and provisions for future delivery everywhere performing a most useful and legitimate function.

9. It is one of the cardinal rules of all legitimate exchanges that upon all contracts for future delivery, "delivery must be made." A contract for a "future delivery" is as much a promise to deliver as a United States Treasury note is a promise to pay, and the rules of the Chicago Board of Trade specifically provide for the suspension of a member from the exchange privileges in case of failure to do so. When the time arrives for delivery of the commodity upon a contract for future dlivery, the actual grain or provisions contracted for must be delivered by the seller to the buyer.

10. The fact that there is not a physical transfer of the actual property or warehouse receipts in all transactions between brokers does not vitiate the statement that a delivery is always made. Let us take a typical illustration: On February 1st Broker A sells 5,000 bushels of wheat for May delivery to Broker B at the then market price of one ($1) dollar per bushel. B in turn sells 5,000 bushels to Broker C, and C sells to A five thousand bushels on the same day at the same price. Now, surely, there is no sense in law or business which would require A to deliver to B, B to deliver to C and C back to A. Therefore, by the practice of "ringing up," which is a method adopted in all exchanges for the convenience of the brokers alone, all parties in a transaction, such as noted above, are eliminated and the contracts between all such parties are settled.

11. The primary function of the system of buying and selling grain, provisions, etc., for future delivery, as operated upon modern Produce Exchanges is as indicated above, the facilities it affords to the miller and grain and provision dealer to secure his supply for the months in advance at a fixed price. If they could not do this modern business would be paralyzed. In its absence every contract a miller made to supply flour, unless he had the actual wheat in his bins, would be pure speculation. If the price happened to remain about the same, or went lower, he would make money on his contract; if it went higher he would lose. And this would likewise be true of the elevator man who bought his grain from the farmer, or

(Continued on page 14)

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My object in making this and other offers is to make my paper more popular. I know others will want to subscribe when they see what I sent you.

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J. A. EVERITT, Editor, Up-to-Date Farming, Indianapolis, Ind.

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Two years ago we had one little factory. Today we have five factories employing 4,500 men.

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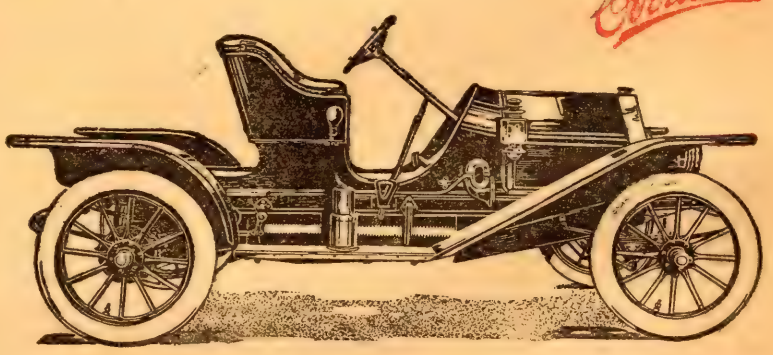
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Charging Excessive Profits

To What It May Lead

MUCH is said of the high cost of living, and justly so, for the excessive prices charged consumers for foodstuffs cannot be justified on any ground of reason or equity. But, after all, it is possible that these unreasonably high prices may prove a blessing to the human race, a means of so arousing the public as to lead to the overthrow of prevalent and increasing wrong.

In spite of what the ruling classes say or believe, the people do rule. They may be slow to assert their power. It takes something personal to arouse them. But when aroused they rule; quietly as through the ballot, as in America, or, when driven to desperation, it may be through fields of blood and carnage as many historic struggles bear witness.

The spirit of greed dominates the world today. Scarcely a transaction takes place between men but is marked on one or the other by an unfair gathering in of profits. Every opportunity is taken advantage of for piling up hoards of wealth. The greedy, those who accumulate by means of profits in trade manipulation, naturally despoil those who depend for their gains upon labor to accomplish results, as the latter move slowly and in prescribed lines. Since the former are fewest in number, and their gains accumulate in ever increasing ratio, it follows that the process is one of concentration, and must eventually place the wealth of the world in the hands of the few while the many must live in a constant struggle to win back from that few the scanty means of a bare existence.

We have given in these columns many instances to prove this fact and its rapid accomplishment. Another proof is offered by the express companies. These companies, comparatively recent in origin, are institutions of public utility. There is not a doubt about that. Had they never existed, the world would in some way have got along without them; but haveing used them and become accustomed to their services, the public would not now do without them. Hence it is not the express companies of which complaint is made, but of excessive charges, the greed for inordinate gains so prevalent now in all lines of business. Much is revealed in an action brought before the interstate commerce commission by B. E. Sundberg of Minnesota, against the Wells-Fargo, the Great Northern, and the Adams express companies, alleging a combination of these companies to compel the payment of excessive charges for services rendered the public.

In the complaint upon which the suit is based, Mr. Sundberg, through his attorney, sets up the facts, "That the Great Northern express company was organized in 1892; that one hundred thousand dollars in money was put in the business; that a portion of this money was invested in property required in the transaction of the business; that the total cost of this property, including real estate, fixtures and equipment, was, to June 30, 1909, $71,288.91; that the last annual dividend of the company was $500,000; that during the past ten years $3,200,000 in dividends has been paid, and in addition to this assets from the profits have been accumulated, as reported June 30, 1909, amounting to $1,448,881." All the money to pay these dividends and to accumulate these assets, it is alleged, came from express charges, and is no part of the surplus capital, because that is loaned, it is declared, to the Great Northern railroad company without interest.

In addition to these accumulations, it is alleged in the complaint filed, that during said period the Great Northern express company has paid for express privileges from 40 per cent of its gross earnings on the Great Northern to 55 per cent of its gross earnings on the Butte, Anaconda and Pacific, and in addition has paid the Great Northern railway company $40,000 annually, in the aggregate $640,000, on account of contract for express privileges. And all this on an original investment of $100,000 in money, a clear showing, the attorney thinks, of excessive charges to make excessive profits on the capital invested.

The ability to make such charges, Sundberg alleges in his papers, clearly establishes the fact that all other express companies pay to the railroads an excessive rate for the transportation of express parcels, and this excessive charge, becoming a part of the express rate, contributes to that extent to its unreasonableness.

Mr. Sundberg, through his attorney, further alleges that express charges are made too high in order to compel the people served by the companies to pay exhorbitant salaries to the officers of the express companies. We are justified, says the attorney, in accusing the big companies of extravagance and unwarranted expenditures in this regard by their stubborn refusal to disclose these facts. When asked for the salary list of the general officers and the details of the expense accounts and disbursements, the companies became offended as though the public had no right to know what salaries the public were thus compelled to pay for the doing of public work.

None of these allegations should surprise those of our readers who are posted on the general trend of business operations. They constitute but another instance of the spirit of greed which is amassing inordinate fortunes at the expense of those who persistently toil in field, shop and mine to create wealth, but who do not amass it, nor are permitted to enjoy very much of it.

The high cost of living is but another manifestation of the same spirit of greed, and the reason we said awhile ago that it might prove a blessing is that it is better calculated to awaken the people to the facts and arouse them to action.

Combinations may increase prices on on articles manufactured and for public service, and the people do little more than protest, but when it comes to the food consumed it affects both the pocket and the stomach, and people will take notice. If anything will arouse the public the cost of living will, and when the public is aroused these wrongs will be overthrown. The spirit of greed must be checked or results will come that have disrupted society and destroyed governments in the past. Greed may flourish to-day, and pile high its accumulations, but the people will rule to-morrow. Just how we cannot tell, but there will be found a way. Our plea is for Equity that the new rule may come as comes the rainbow on the cloud, a smile to drive the darkness from a frown; fairness and justice for all with equal privileges and opportunities, and hope everywhere—equity for all the business relations of life.

On A Declining Market

IN a recent number of the Modern Miller we find the following statement concerning the grain market in one of the centers of production: "On a declining market considerable wheat makes its appearance, shippers making room, by selling, for the increased deliveries by farmers." Several important facts are disclosed in that simple sentence. Farmers sell on a declining market. shippers are already full, and are in turn forced to sell to make room for what is thus dumped on an unwilling market. Of course there can be but one result, an oversatisfied demand and a reduction of price.

A strange characteristic of farm marketing is show in the following sentence, which we find in the article before quoted from: "Whenever the market starts upward offerings dry up." These two sentences taken together mean, if they mean anything, that farmers sell freely when prices are declining, and refuse to sell when prices are advancing. That is a strange practice, indeed an anomalous one. No other sellers do that way, and it requires an effort to believe that farmers do so. But we do not have to take this authority alone to substantiate it. We have equally strong evidence from other sources. Besides, our own observations, covering many years, afford proof enough. A representative buyer for the packers in one of our largest cities once told us that when the packers wished a rush of live stock they gave the market a downward turn, and the more rapidly prices were reduced the greater the rush of stock to the market. We have often observed the same thing in the country. When the price for horses, for instance, is high there are few sellers, but everybody wants to buy, and when prices are low the case is exactly reversed, sellers are plenty and buyers are few.

As we have already said, it is not easy to believe this of a class as intelligent as farmers are. Everyone must know that the worst market to sell on is a failing market, an already satisfied market, a glutted market. Such markets are necessarily low price markets, and it is financial suicide for farmers to dump their stuff on them.

Why do they do it? There seems to be a strange hallucination among farmers that when prices start downward they are going constantly lower, and sellers must hasten to get their stuff in before a lower point is reached. And, on the contrary, when prices start upward, they see no end to the rise, and everybody waits for a still higher price. Of course this is not good business, but it is almost a universal practice among farmers, and the greatest endeavor of our life has been to educate them out of it. There is such a thing as an equitable price, a price fair to both buyer and seller. It takes business judgment to determine what that price is; and whenever it is reached is time to sell. When prices rule below the equitable do not sell; when prices tend upward sell any time after the equitable is reached.

No farmer can live without profits, and profits cannot be hoped for on declining markets. On the other hand, prices never get so high but there comes a tumble. Therefore everlastingly waiting for higher prices is a losing game. The medium is the safe ground, and the medium price is the equitable price.

EQUITABLE DIVISION OF PROFITS

MR. B. F. YOAKUM, chairman of the St. Louis and San Francisco Railroad Company, in a recent address on the relation between farming and transportation, after asserting that the products of the farm and farm supplies constitute 40 per cent. of the freight of western railroads, joins us in the contention that farmers do not get equitable prices for their stuff compared with the pricers consumers have to pay and the general level of values. "It is not the prices farmers receive," declared Mr. Yoakum, "that makes living expenses high; the high cost of living is largely chargable to the dealers' profits made between the farmers and the consumers."

To substantiate that declaration, Mr. Yoakum gives some striking examples. A bushel of beans for which the producer in Florida receives $2.25, with 50 cents for transportation over the 800 mile haul, should not cost the consumer in New York $6.40 per bushel. The producer receives 35 per cent. of what the consumer pays, the transporter gets 8 per cent., and the dealers get 57 per cent., very clearly an inequitable division of the profits. The consumer pays too much, or the producer does not get enough.

A bale of cotton which sells for $60 at the southern gin should not, he says, become a speculative article costing the spinner $70 per bale, the transporter receiving only $4.50 per bale for hauling it the thousand miles from the gin to the mills. The cost to the spinner should be the farmers' price with only the transportation added. Any additional profit, Mr. Yoakum believes, should go to the farmer.

The average price of eggs to the consumer in New York throughout last year, said Mr. Yoakum, was 30 cents per dozen. The average price paid the farmers in Arkansas and Missouri for those same eggs, was 15 cents a dozen. The railroad charges for the 1,300 miles haul was 2 cents a dozen, and that included breakage, estimated by the government at 10 per cent. The men who receive the eggs in New York in the morning and deliver them during the day take 13 cents a dozen, or 43 per cent. profit.

The rice farmers of Texas, Louisiana and Arkansas cannot sell their rice for more than 2½ cents a pound. The consumers in New York pay 10 cents a pound for it. It costs to transport rice from these

states to New York one-half cent a pound. If the rice farmer was paid 3½ cents a pound and the dealer received one cent a pound, which is 25 per cent. profit, rice could be sold in New York at 5 cents a pound, 20 pounds for a dollar instead of ten. "What I am trying to make clear," said Mr. Yoakum, "is that the rice farmer could receive one cent a pound more for his rice, and the consumer could get twice as much for his money, if through proper organization the product could go from the farm to the consumer, and then pay a cent a pound profit to the dealer." "Therefore," continued Mr. Yoakum, "ever member of every community in which products are grown, and every consumer who must pay for those products, is interested in aiding the farmers to organize a system of doing business direct from the field to the table."

The farmer works to produce the food, says Mr. Yoakum, and the consumer works for money to pay for it, while the dealer under organized methods builds up his profits by taking from the price paid the farmer and exacting additional prices from the consumers.

Mr. Yoakum admits that the transportation companies are organized, and he believes that if the farmers were organized these two classes could so co-operate as to get farm products to the consumers and supplies back to the farmers, without the multiplied manipulations and exactions of dealers, in such a way as to insure farmers better profits and yet supply consumers at lower prices.

We thus quote from Mr. Yoakum because his views are so sensible, practical and and true, and with the hope that their very truth may impress farmers to overcome every obstacle that would impede their organization.

BOY SCOUTS AND CADETS AND PIONEERS OF EQUITY

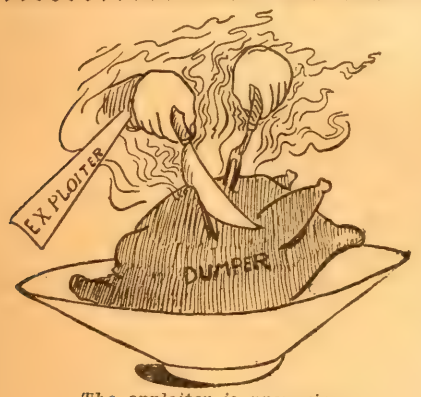
THE civilized world is talking "Peace" as perhaps it never did before, and yet the nations are seemingly more persistently ingaged in preparations for ar than at any former period of their history. Not content with maintaining, equipping and drilling vast armies, and spending millions for battle ships, there is now forming, with wonderful rapidity, in both Europe and America, an organization of boys designated the "Boy Scouts." This is only a semi-military organization, and it has no connection with armies or official or national preparation for war. But it is praised by statesmen and the press because it teaches the young men many things that pertain to active warfare, and prescribes exercises that inure to military life. Among the reasons given in justification of the organization, is the avowed unpreparedness of the nations for the exigencies of war and the importance of being always ready for emergencies. The code, we are told, "teaches endurance, discipline, the first principles of military drill and camp life, long distance tramping, etc." The friends of the movement freely mention our defenseless coasts and the necessity for the cultivation of a military spirit among our young men as reasons why it should be encouraged.

Personally we feel much more inclined to peace than to war, and we would rather see our young men stalwart champions of the arts of peace, imbued with the principles that make for good and the more divine uplift of the human race. But we have no serious objections to the "Boy Scouts." Any drill or discipline is helpful to young people, and it seems to us our schools are deficient in the training which makes stronger and nobler men. But if we admit that the conditions of the present and the possible exigencies of the future justify a semi-military organization among the boys of the world, what must be said of social and business conditions? There is little equality in our social relations and decidedly too much that is bad, while in a business way selfishness dominates the human race. Almost every movement in the business world is an organized effort for the gratification of Greed. The one god that all unite in worshiping is the God of Greed. Trusts form to extort from the many and enrich the few, and the many for lack of education and discipline in business and the training necessary to its fair and equitable adjustment, surrender their labor and its products to the skilled manipulators of trade and commerce, and thus contribute to the very conditions that are hastening a period more disastrous to general prosperity and equality than the march of the armies.

If, therefore, conditions justify making military possibilities of the boys of the world do they not imperatively demand the the teachings of equity and instilling in the minds of the young of both sexes, the future home makers and world molders, the unyielding principles of fairness and equality—of equity in all the social and business relations of life?" If an organization of "Boy Scouts" is commendable, what must be said of Cadets and Pioneers of Equity—Cadets writing sweetly interesting letters and learning in the great school of fairness and truth, and Pioneers at work for Equity and blazing out the way for better and happier social and business relations? See department Cadets of Equity.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



The exploiter is preparing to carve the dumper.

THE features since our last report are wet weather over much territory, continued cold with very brief intervals of seasonably warm weather, improvement in wheat, rye and grass, corn still backward, great declines in grain prices, particularly wheat, even in view of a large decrease in the visible supply.

The government crop report issued June 8, gives the spring wheat area 1,399,000 acres or 7.3 per cent. more than last year with the condition on June 1, as 92.8, compared with 95.2 a year before and a 10-year average of 92.

The condition of winter wheat is given at 80.0 compared with 80.7 a year before and 81.9 the 10-year average. As the acreage of winter wheat is larger than last year this report would indicate a larger crop this year.

The area sown in oats is 1,176,000 acres, or 3.5 per cent. more than 1909. The condition June 1, is given at 91 as compared with 88.7 a year before and 88.4 the 10-year average. The increased acreage and highr condition indicate a much larger crop than in 1909.

The acreage sown to barley is 46,000 acres, or .7 per cent. more than 1909. The condition of the crop June 1, is given at 89.6 as compared with 90.6 for 1909 and 90.5 the 10-year average.

The condition of meadows is given at 86.1 against 87.6 a year before.

The wheat visible decreased 3,589,000 bushels; corn decreased 2,371,000 bushels; oats decreased 588,000 bushels and barley shows a small decrease.

Cotton growers should note that the cash price is 15.40@15.65c January. 1911 futures are being sold and bought at 12.22c, more than 3 cents a pound lower. That is, the speculators' bet that they can buy cotton from the growers in January to fill contracts made on this basis.

Cash wheat is 6c a bushel lower in Chicago and 10c lower in Kansas City but the market report shows it is 1c a bushel higher in St. Louis than two weeks ago. Some strange anomolies are constantly appearing in the grain markets as made by the exchange system.

Cash oats is in the 30's in all Western markets, while future wheat prices almost dropped out of the 90's. Old potatoes are trying to close the season at the lowest point of the crop year.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supply of wheat in the United States, by Bradstreet's reports, on May 28, was 23,788,000 bushels. This was 3,589,000 bushels less than two weeks before; 771,000 bushels more than a year before and 968,000 bushels more than two years before.

The visible supply of corn on the same date was 11,876,000 bushels. This was 2,371,000 bushels less than two weeks before, 6,594,000 bushels more than a year before and 5,348,000 bushels more than two years ago.

The visible supply of oats on the same date was 10,667,000 bushels. This was 588,000 bushels less than two weeks before, 330,000 bushels more than a year before and 685,000 bushels more than two years before.

The visible supply of barley on the same date was 2,805,000 bushels. That was 260,000 bushels less than two weeks before, 816,000 bushels more than a year before and 984,000 bushels more than two years before.

COTTON

The aggregate world's supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	*May* 27,	*May* 20,	*May* 28,
Other kinds..	1,166,000	1,189,000	922,000
American....	1,965,408	2,054,641	3,032,848
Total.....	3,131,408	3,243,641	3,954,848

PRICE—New York, June 9: Middling upland, 15.40c; middling gulf, 15.65. The price is the same as two weeks before. Future prices closed as follows: July, 15.43c; Aug., 14.88c; Sept., 13.38c; Oct., 12.59c; Dec., 12.40c; Jan., 1911, 12.22c.

CASH PRICES OF GRAIN

The closing prices of grain in the principal markets on June 9th, were as follows:

CHICAGO—Wheat, No. 2 red, $1@1.05; two weeks before, $1.09@1.11. Corn, No. 2 white, 63½c; two weeks before, 63c@63½c. Oats, No. 2 white, 39@39½c; two weeks before, 41@42 1-4.

ST. LOUIS—Wheat, No. 2 red, $1.13@1.14; two weeks before, $1.12½@1.15½. Corn, No. 2 white, 60 1-4@60½; two weeks before, 64c. Oats, No. 2 white, 39 1-4@39½c; two weeks before, 41½@42c.

KANSAS CITY—Wheat, No. 2 red, 99c@$1.04; two weeks before, $1.10@1.14 Corn, No. 2 white, 63½c; two weeks before 61@61½c. Oats, No. 2 white,37@39c; two weeks before, 41@43c.

CINCINNATI—Wheat No. 2 red, $1.08@1.11; two weeks before, $1.12@1.16. Corn, No 2 white, 61@62c; two weeks before, 60½@61c. Oats, No. 2 white, 39c; two weeks before, 42½@43c.

NEW YORK—Wheat, No. 2 red, $1.05; two weeks before $1.10. Corn No. 2 white, 66@67c; two weeks before, 67½c. Oats, No. 2 white, 43@45c; two weeks before, 45@47c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.09 5-8; two weeks before $1.10½. No. 1 Northern spring, $1.06@1.08; two weeks before, $1.07@1.09.

FUTURE GRAIN PRICES

Chicago grain futures closed June 9, as follows:

WHEAT—July, 95½c; Sept. 91 3-4c; Dec., 91 1-4c. Two weeks before, 99 3-4c, 98 1-4c and 96 3-4c respectively.

CORN—July, 59½c; Sept., 60c; Dec., 57 3-4c; May, 58 7-8c. Two weeks before, 60 1-8, 60 7-8 and 56 5-8, respectively.

OATS—July, 37 1-8c; Sept., 35 5-8c; Dec., 36c. Two weeks before, 38 5-8c, 37 5-8c and 38c respectively.

CHICAGO PRODUCE MARKET

June 9, 1910.

OLD POTATOES—Trade was quiet. Buyers are taking hold only moderately. A fair shipping business is reported. A fair shipping business is reported. A steady feeling prevails. Receipts are moderate and supply on hand just fair.

Arrival by cars, with comparison, as follows:

	This wk.	Last wk.	Last yr.
Monday	58	*..	50
Tuesday	35	?130	30
Wednesday	35	60	20
Thursday	32	34	34
Total, 4 days...	160	224	134

*Holiday.

?Including 4,200 sacks by boat.

PRICES—Michigan, Wisconsin and Minnesota good to choice, 22@24c; ordinary to fair, 25@27c; poor, sprouted and small, less.

NEW POTATOES—Fancy stock firm. Market for general run, steady. Very little of the stock coming is fine and does not bring the top price.

Price—Texas or Louisiana, good to choice red, per bu. $1.00@1.05; fancy $1.06@1.08; extra fancy $1.10. Very small or in poor condition down to 60@90c.

Carolina or Virginia white, per barrel, $2.75.

HAY—Demand fair, offering only moderate and market steady.

Price—Choice timothy, $17.00@18.00; No. 2 timothy, $13.00@14.00; Prairie, $14.00@14.50. The price of timothy is $2.00@2.50 per ton higher than two weeks ago.

BEANS—The few beans coming in find ready sale. There is no stock to speak of for sale.

Price—Choice hand-picked pea beans, $2.35@2.40; prime $2.25@2,30; mediums nominally the same as pea beans; Red Kindeys, poor to choice, $3.10@3.25. Prices are about the same as two weeks before.

EGGS—Trade is rather slower and dealers describe the market as dull. Consumption has fallen off. Stale eggs are slow at irregular prices.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	Cases.	Cases.	Cases
Monday	15,075	*	17,688
Tuesday	22,537	16,967	18,080
Wednesday ..	22,223	38,767	18,453
Thursday ...	21,117	15,123	17,027
Total	80,952	70,857	71,248

*Decoration Day.

Prices—The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 14½@16c; two weeks before, 17@18c. Ordinary firsts, 16c; prime firsts 18½c; storage packed eggs (ready for storing) in light demand and sell at about 19c.

PRODUCE EXCHANGES VS. THE EQUITY SYSTEM

(Concluded from page 15)

free from all speculation. As to the farmer, no person or set of people can cheat him out of his market, neither can anybody enlarge his market unless it be by buying a present surplus to hold against a season of scarcity. In that case, instead of it being a blessing to the producer it is a curse. There is nothing that the board of trade, elevator men or other middlemen have done for farmers under the exchange method that the farmers cannot easily do for themselves under the Equity System, and they will not tax themselves for doing it. An example of the "reasonably uniform" prices of the exchange method is seen in the price of cash wheat May 1909 $1.50 @ $1.55 per bushel and $1.00 a bushel May 1910; or in their report of the Chicago market under date of May 27, as follows:

Gigantic transactions in wheat today startled observers who looked for a calm as after a whirl-wind. Trade was so vast (not in actual grain, but bets) and confusion so great that individual operations seemed hardly to count. Prices still plunged downward, and sometimes were, at the same moment, as much as 1½ cents apart for May in different sections of the pit.

15. As we have said, the exchange system first produces the condition that makes "hedging" necessary. Insurance, and the consequent expense will never be necessary in the Equity System while the profits will be insured, because of the certainty of values.

16. We will again submit the two systems to the judgment of the public, but before closing these comments we will say that the substitution of the Equity System for the exchange system will bring absolutely steady prices while the latter frequently creates chaos in the grain and provision markets of the country.

NOTE—For a full explanation of the Equity System send 10 cents for "Farmers Industrial Freedom" and its Supplement, When to Sell, Where to Sell, How to Sell." Address Farmers Society of Equity, Indianapolis, Ind.

UP-TO-DATE FARMING

Production and Marketing

CONSERVATION OF A COMMUNITY

By Warren H. Wilson, Ph. D.

The farmers of Rock Creek, Ill., found that the retirement of farmers from their farms, for residence in the towns, was destroying the social and religious life of the community. They took council to devise measures by which to save the community.

Their first proposal was a farmers' union or syndicate which would rent the land offered by retired farmers, and sublet it to desirable tenants, whose presence in the community would not be a detriment. But this plan soon proved its weakness. The retiring farmers were only too willing to put their lands in the hands of the syndicate and go to the town or city, reassured that while they were enjoying town life, its good schools, its music and lectures — for the retiring farmer is an intelligent, aspiring man — that their farms would be well rented.

So the sons of the early settlers decided that they must go deeper. They undertook to provide their community with better schools. They erected a building as good as one finds in town or city, and they abandoned the old country schools with their small districts and poor teaching. They thus assembled about a hundred children in one school company. They hired wagons to carry them back and forth. They employed good teachers and put in laboratories, work benches, sewing machines and ranges, for teaching manual training and domestic science. They heated it well, and lighted it with gas; and on the third floor they had room for a meeting place for all the people of the community. Out of doors they have grounds for games—baseball, tennis and football.

The result has been that the retirement from the farm has been stopped. The place has come to be so desirable as a place of residence that the rental of land has gone up and the average tenant will not go there. Foreigners are excluded, and the drifting element of the population has ceased to be restless. Social life has been restored, and the continuous life of the institutions of the countryside has been assured.

This cannot be accomplished by mere prosperity of the individual farmer, nor by the increase of the general products of the soil. Without the saving of the community all other gains are only partial. Even the saving of some souls will do little good unless they have a home to live in, and that home a part of a growing, intelligent community, in which women shall be happy and children shall be contented to live all their lives. The country community must make itself the best place on earth, not only to the man, who makes the money, but to all the members of the family, among whom the money will have its greatest value.

(Can a more practical way be found to carry out this idea all over the country, only greatly improved and its scope much enlarged, than through local unions of the Farmers Society of Equity as this paper teaches?—Ed.)

FARM LOSSES FROM WEEDS

A weed has been pretty well defined as "a plant out of place that persists in growing where it is not wanted," and one of the farmers most difficult production problems, and that which adds to his labor more than almost anything else, is this same persistent growth of plants out of place. A plant that may be useful in some places may be a serious pest in others. The dandelion that may be admired along the road is destructive in the smoothly mowed lawn, and the morning glory that beautifies the trellis is decidedly unwelcome and harmful in the cornfield.

The tax levied upon the farmers every year by the growth of weeds cannot well be estimated, but it runs into millions. Weeds reduce the yield of farm crops in five ways at least; they rob the crop of room, exclude the light, shut out the heat, absorb the moisture, and consume the plant food. The planted and cultivated crops cannot possibly do their best if deprived of any of these; if deprived of all of them, and the weeds, if allowed to grow, do all at the same time, failure to produce is inevitable. Enough weeds thoroughly work this unfavorable result; smaller numbers work it in proportion to the number and character of weeds permitted to grow.

Weeds may be divided into three classes, and they may be so treated in efforts for their destruction. These classes are:

1. Annuals, or those which come from seed, grow and produce seed, and die, all in one year. To eradicate this class of weeds it is only necessary to prevent the production of seeds, and to see to it that no seeds are brought from elsewhere. As common examples we may name mustard, charlock, ragweed, pigweed, and the various kinds of smartweeds.

2. Biennials, or those which require two years to produce seed. The year in which the seed germinates, the plant makes only a leaf growth above the surface and a root growth below the surface. This root growth survives the winter, and during the second year the plant completes its growth, blooms and produces seed, which falls or is thrown off, sinks into the ground to perpetuate itself, and then the parent plant dies root and branch. Of this class wild carrot and burdock may be named. There are two opportunities for the destruction of this class of weeds. As many as possible may be killed the first year, and any that remain may be destroyed before they produce seed the second year. But these weeds are very persistent, and great seed yielders, the seeds generally provided with a means of disseminating themselves.

3. Perenials. These weeds live from year to year, and if undisturbed, produce abundant seeds every year. The stems and leaves generally die in winter, but a strong system of roots or underground stems survive permanently. They start from seed, or may usually be propogated by bits of underground stems, and when once started they are a fixture until destroyed by some artificial means. Destruction of the stems above ground does not destroy these weeds. They live on and spread by the extended growth of underground stems, even though they may be not allowed to produce for years. Examples of these weeds are the docks, sorrels, pokes, etc.

This brief glance at the nature of the weed pests gives some idea of what the farmer is up against in his contest with them. His first effort should be one of precaution. He should be careful to prevent the introduction of weed seeds into his fields. This he most often does himself by planting or sowing seed that is infested with weed seed. Almost irreparable damage has been done in that way. Every farmer should be very sure that he is sowing or planting none but the purest and cleanest seed. Fields are often thus innoculated with pests that years are not sufficient to exterminate. This is particularly true of the smaller seeded pests, such, for instance, as Red Sorrel (Rumex acetasella). Try to keep the pasture fields and adjacent waste lande free from weeds; that is, do not allow their weeds to go to seed if possible to prevent it. Also be careful to keep weed seeds out of the feed given to the stock, else the manure will become saturated with the seed, and it will be communicated to whatever land the manure is spread upon.

Clean and late culture is the next precaution. Do not let weeds go to seed in the cultivated fields. A modern method is to destroy weeds by spraying. An iron sulphate solution is said to be very effective, and it can be so applied as not to injure the growing crops. A more complete description of the process than we are able to give here may be had by inquiring of the American Steel and Wire Co., Chicago, Ill.



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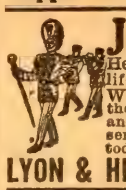
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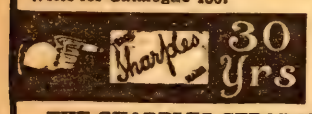
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HOG CHOLERA

NOT all hoge that die, die of cholera, but nearly every prevalent disease that gets among a herd is given that name, and forthwith some hog cholera remedy is applied, sometimes with good and sometimes with bad results.

Hog cholera is a distinct disease having its own pathology and symptoms, and requiring a special treatment. It is an infectious disease of swine, in which the lymphatic glands, intestines, lungs, kidneys and liver are commonly inflamed. It exists in all sections of the United States, and is specially prevalent in the middle west. Losses from it are enormous, and it is truly to be dreaded now that hogs are so scarce and prices so high. To show how startling are the losses it occasions, we may quote from a bulletin issued last February by Purdue University which says the losses from hog cholera in Indiana alone are not less than $3,000,000 a year.

The wide prevalence of hog cholera, declares the bulletin, is due to the filth and unhygenic conditions common in hog houses and yards. People are careful enough to take precautions when outbreaks occur, and it is communicated from herd to herd by any medium for transporting baccilus or germ of the disease, which is persistent and abundant wherever there are diseased hogs.

Usually the first symptom of the disease that is noticed in the herd is a loss of appetite. The hog does not entirely refuse to eat until the disease is well advanced, but there is a noticeable distaste for food. In the acute form, which is most common, there are tremors like chills, depression, stiffness and soreness; loss of appetite, vomiting, constipation and diarrhoea, and inflammation of the skin; weakness, staggering gait and difficult breathing.

Young and fat hogs sometimes die without manifesting marked symptoms. The hog attacked is liable to be found lying in its bed, or off by itself in a quiet part of the lot, and hesitates or refuses to come to its feed. When it does start, it shows weakness, its back is arched, the abdomen is tucked up, and it wabbles and staggers as it walks. This shows the animal is reaching the last stages.

Proper feeding and care, says the bulletin, are necessary in order to keep the herd in a healthy condition. Healthy hogs possess a slight degree of resistance against disease, and this factor plays no small part in the control of hog cholera. Filthy, crowded quarters, lack of exercise and wrong methods of feeding overcome natural immutiny, and are secondary factors in the spread of disease.

There is no place on a farm where disinfectants are so necessary as in the hog houses and yards. Whitewash, lime, chloride of lime and stock dips are the disinfectants commonly used. Pastures and lots may be cleaned up by moving the hogs for a few months each year and cleaning away all litter. The unused lots can be put to good use if plowed and sowed to some forage crop.

Necessary precautions against the food and drinking water becoming contaminated must be observed. The importance of clean water, clean feed, and clean troughs and feeding floors should be emphasized. Muddy yards, when in use a few years, become filthy and endanger the health of the herd.

Yards should be well drained and all wallow holes filled. Pens and pastures, through which the drainage from swine enclosures higher up, runs, should not be used.

Hogs coming from other herds, or stock shows should be excluded from the home herd until they are positively shown to be free from disease. They should be quarantined in yards set off for this purpose. Such yards should not communicate in any way with the regular yards. They should also be cleaned by dipping or washing with a water solution of a reliable disinfectant, as there is a possibility of carrying germs in the dust and dirt of their bodies. The quarantine period should be longer than the average period of incubation. Three weeks is as long as is necessary.

The possible introduction of the disease into the pens by people, dogs, birds, etc., should be guarded against, especially if cholera is present in the neighborhood. Whenever it is necessary for a person to enter a hog lot where the disease is present, the shoes should be cleaned and disinfected on leaving. Persons taking care of cholera hogs should observe the necessary precautions against the distribution of the disease and see that others practice like precautions.

LOOK OVER THE MEADOWS

THE busy farmer often neglects work that would pay him the best. The cultivated crops call for him loudly, either in the preparation, the planting or the cultivation; but the meadows are coming on rapidly now, and the value of the hay depends largely on whether it is clean or foul. The worst weeds outgrow the grass early in the season, and they now show well above it. A very profitable job is to go through the meadows and chop or pull them out. Some times this looks like a formidable job, and frequently it is, yet men and boys may get over a meadow much more rapidly than those who never tried it believe, and their work tells well in the quality of the hay. A meadow that is too bad to justify such wok, is ready to be turned over to the grazing stock, or to the tender mercies of the plow share.

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VISIO Remedy Ass'n, Dept. 6, 1933 Wabash Av., Chicago, Ill.

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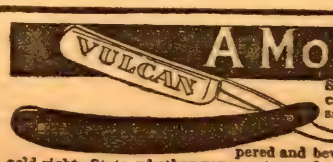
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U.S. CREAM SEPARATOR
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FARM WASTES AND HOGS

NOTHING that has any value in it should be allowed to go to waste. The hog is a scavenger, and may be made a great waste saver. As a writer has well said, many of the odds and ends of the farm can be converted into profit by giving them to hogs. Kitchen slops, the waste from fruit, from the garden and orchard, the waste from threshing machines, or grain wastes from any source, or waste dairy products, including surplus buttermilk, skimmilk, etc., may be made a valuable supplement to the regular grain and pasture feeds.

But nothing should be fed that can be classed a filth. Anything one would not like to eat when converted by the hog system into pork should not be fed to hogs. Meat will partake of the nature of the feed that produced it. Besides, when any unwholesome, disease-breeding substance is fed to hogs, the health of the animals is jeopardized. The writer learned that by a rather expensive experience. He was but a young farmer then, and wished to show how well he could do with a nice bunch of pigs and the sows that bore them. His plan was to feed them abundantly twice a day on rich but sour swill. It was summer weather, and each feed the slop was made up for the next feed. Of course, it was sour at each feeding time, and that was as it was designed to be. The pigs grew for a time as they were in a large pasture, but it was not long until the "cholera" came and swept off the entire bunch.

INGENUITY AND RESOURCEFULNESS

AS a rule farmers do not much like to clean out the chicken house, especially under the roosts, but one farmer solved that problem in a way to give other farmers a valuable hint.

On the farm was a worn out and abandoned strawstacker that had done duty as a part of a threshing machine. Taking enough of the straw carrier from this old machine to reach the full length of the perches, he arranged it to roll underneath them by the turning of a crank from the outside. This "carrier" was put up at a slight incline, and with the lower roller being just outside the wall, it was the work of but a few minutes turning the crank to bring all the droppings to the outside and dump them in a box or other arrangement to receive them. This could be done every morning, and the poultry house kept entirely clean.

Just a little ingenuity could arrange a similar carrier using an old carpet or grain casks, or other waste material braced with ordinary laths, and mounted on easily arranged rollers, thus completely solving the house-cleaning problem.

COMFORT IN THE RAIN

It is almost impossible, when one is riding in the ordinary top buggy, in the rain, to keep dry, notwithstanding the storm curtains and front curtains be all put up. Now we have a new buggy that is known as the Cozy Cab, which is attracting most favorable attention wherever it is shown. With this, when the shower comes up, simply make three easy one-hand movements, and the buggy becomes a dry, absolutely wind, water and stormproof carriage. It is fittingly named the Cozy Cab. Find out about the manufacturer's Trial Purchase Plan. Write to Fouts & Hunter Mfg. Co., C83 S. Third St., Terre Haute, Ind.

We try to make UP-TO-DATE FARMING the most valuable farm paper in the country to farmers. Thousands tell us we succeed. If you want to help us be sure to mention Up-to-Date Farming when you write an advertiser even tho' you see his announcement in another paper.

THE WITCH IN THE BRIAR PATCH

"Co'se I knows you all been mighty good to me an' all like dat, Missy, an' I ain't nevah worked nowhar but jes' right here but dat witch, she's a sho nuff witch too, she jes pesters me 'till I can't stand it no mo'."

Uncle Jake twisted the brim of his worn old hat and stared down at the work basket beside Mrs. Maxwell.

"I tink you are mistaken, Jake," began Mrs. Maxwell quietly. "You must not believe that there are witches and ghosts and goblins. It is foolish to imagine such things."

"Well, Missy, you white folks can't see um lak we do but dey go round jes de same. Last night, when I past dat briar patch, I'se walkin' pretty fas' to git by cause I knowed she's thar, she jes raise herself up a leetle bit and went whir-r-r. Law sakes, Missy, you can't tell dis niggah she warn't thar. I heerd her, plain."

"When have you seen her, Uncle Jake?" asked thirteen year old Tom.

"Early in de mounin's an late in de evenin's when I gits thu work an starts to de cabin. She don't stay thar in de day time, I done looked for her, honey?"

"Well, I will see what can be done, Jake. I don't like to lose you for you have always taken care of he horses and I wouldn't know what to do without you. I will speak to Mr. Maxwell tonight and have him investigate the briar patch and find out what is there."

"Much oblige, Missy, I knowed you'd do somethin.' She got a brown cloak on. Marse Tom, dat ol' witch, an you bettah stay away fum thar."

"All right," laughed the boy, good humoredly, as the old negro went back to the stable.

"What do you suppose it is, Tom, that Jake sees and hears out there in the briar patch? Of course it is a pure case of superstition but he is so terribly in earnest about it, I believe he will quit work here if it goes on.'

"I'll go to-night, mother, and find out what has frightened him., I'll bet Pete has been up to something. I'll catch him if he has.

Many were the weird stories told that day by Uncle Jake concerning that mysterious brown witch in the briar patch. She spoke to him, morning and evening, declared the old man as he sat in the kitchen watching Liza prepare the old time Southern supper of fried chicken with cream gravy, hominy, boiled rice, potatoes baked in the ashes and little browned biscuits that nobody can make except the old mammies in the far South.

"Sounds jes lak a wind arisin'," Uncle Jake told Liza as she stood by the table dipping the chickens into a golden batter before dropping them into the hot skillet, "jes for all the world lak a wind arisin'. She sorta goes whir-r-r an I knows she's gittin' ready to grab so I hurries a right smart on to be cabin."

"Shucks, Jake, ain't you got no mo' sense dan dat? She'd a grabbed you long ago if she'd been a sho nuff witch. I 'low myself it's dat low down Pete a cuttin' a shine. He suttinly is a wuth-less chile. Why don't you wallop some of de meanness outen him?" asked Liza.

"No," answered Uncle Jake gloomily. "Pete, he's been wid me two or three times and he wuz sceered worsen me."

"Dey ain't no use argifyin' wid you, Jake, only I wisht you'd quit comin' round here wid yo ol' tales 'bout witches. You git me plum wirrit myself."

Mr. Maxwell appeared in the doorway just then. "Come in, Uncle Jake," he called, "and we'll go and see about that briar patch. Tom has already been there and he says that he believes there is something. Come on with me," he urged as Uncle Jake seemed inclined to stay in the kitchen. "I'll go with you and Tom has gone back out there."

"I told Missy, 'bout somethin' bein' thar. I knowed hit, I knowed hit all de time," repeated the old negro as he reluctantly walked with Mr. Maxwell toward the briar patch.

It was just twilight and as soon as his father and Jake approached. Tom went cautiously into the patch and seized a brown turkey!

Hearing the noise and seeing some commotion, Uncle Jake grasped Mr. Maxwell's arm. "What's dat?" he asked breathlessly.

"A turkey," shouted Tom holding her up. "She's stolen a nest and here are nine eggs she's been sitting on. Oh, Uncle Jake, you were afraid of a turkey," and Tom and his father laughed together at the old man's chagrin.

"Jes a turkey hen! Umph," grunted Uncle Jake, scratching his gray head. "Well, honey,' he said looking first at the boy and then at the turkey, "dis here joke's on yo Uncle Jake. It sho is."—A. Maria Crawford in Successful Farming.

STOVES THAT ARE RELIABLE

If there is one thing the modern housewife demands, it is a good stove—one that will do satisfactory cooking and perfect baking, and a stove that will not wear out after only a season or two of use.

A company that has been making and selling stoves for years, and who has a reputation for selling stoves that bake and last, is the Majestic Mfg. Co., Dept. 147, St. Louis, Mo. They have issued an interesting booklet entitled "The Story of Majestic Glory," which will be sent free to any of our readers. Write for it.

A JUNK PILE MOUNTAIN
OF VERY EXPENSIVE
CREAM SEPARATOR EXPERIENCE



(A sample pile of scrapped competitive separator bowls—the frames being broken up in the field to save freight on same.)

During the year 1909 more than 10,000 enlightened and disgusted American users of poor or wornout competitive makes of separators threw them aside and replaced them with new

DE LAVAL CREAM SEPARATORS

on top of 8,500 having done so in 1908, 7,000 in 1907 and 5,000 a year for several years before, or at least 50,000 within ten years.

If it were possible to put these 50,000 machines into one huge "junk pile," it would make a veritable mountain of cream separator experience, as impressive as Pikes Peak and representative of as much costly acquired separator experience as though it were a great mine of gold or silver.

These 50,000 "near" ad "just as good" cream separators cast aside to be replaced with De Laval machines within ten years, and so many of them within a couple of years, cost their users at least three and one-half millions of dollars in the first place and probably wasted three times that much in quantity and quality of product, excesive repairs and excessive time required to put the milk through them while they were used, or a total of at least fifteen millions of dollars, and more likely twenty-five millions.

These figures are monumental, but they deal with a problem of enormous importance to everyone who has cream to separate from milk, which the average man can better appreciate put in this collective way than he can when applied to himself alone, though it means exactly the same thing one way or the other.

What has happened in America in this way has in the same time been doubled throughout the rest of the world, so that the total aggregates twice as much, or perhaps fifty millions of dollars.. And worse still, this accounts only for those users who have recognized the facts and remedied them. There are thousands more users of inferior separators who have yet to do so, and unfortunately some yet embarking anew on this expensive separator experience of their own.

The facts are all capable of proof to the man who cares to have them proved and who doesn't want to contribute at his own expense to this enormous and ever-increasing "junk pile" mountain of cream separator experience, or, better still, to the man who has been doing so and thinks it about time to stop.

To such owners we would say that the De Laval Company will this year continue its "trade allowances" for these old machines, because of the opportunity such exchanges afford in an educational way for the most practical illustration possible of the difference between good and poor separators and thus putting stop to the sale of others like them in the same neighborhood.

Any desired "trade allowance" information may always be had of the nearest De Laval local agent or of the Company directly.

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Successful Egg Farming

Among people who can afford luxuries there is great demand for a regular supply of fresh eggs. The few growers who can furnish them REGULARLY, winter and summer alike, get very high prices.

The Corning Egg-Book

(entitled "$6.41 per Hen per Year"), tells how two men, in poor health, starting four years ago with only thirty hens, made from their little egg-farm a clear profit of over $12,000 last year. It tells all about their experience, their failures, their methods; and how others, men or women with good sense, care and faithful work, can make money in the same way. Not a detail left out.

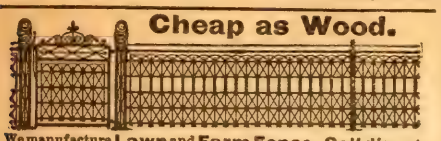
THE CORNING EGG BOOK is sold in combination with the FARM JOURNAL, Philadelphia, Pa., and we have made arrangements to make this.

Special Offer: For $1.00 (cash, money order or check), we will send postpaid the Corning Egg-Book and the Farm Journal for two years, and American Poultry Advocate two years—all for $1.00 if order is sent at once to

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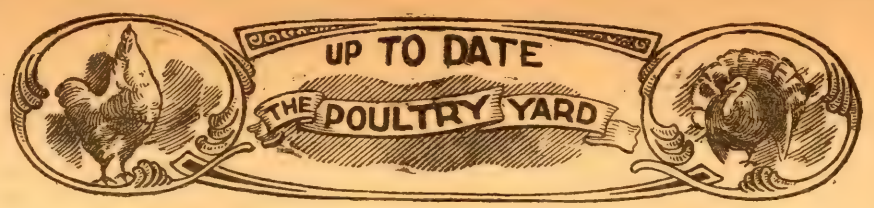
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Cleveland Ohio



THE POULTRY PRODUCT OF THE UNITED STATES

MOST farmers regard the poultry business as something too trifling to merit their attention. It may surprise them to know that, according to the twelfth census, there were raised in the United States poultry to the value of $137,000,000 and eggs to the value of $144,000,000 in 1899; and furthermore, that in 1908 the products of the country exceeded $500,000,000, equaling in value the nation's wheat crop, and about three times the value of the wool crop of the country. I may further surprise them to know that the value of the oats and potato crop in the United States in 1907 did not exceed the value of the poultry products of that year, and that in 1899 the nation's egg output was more than the gold and silver mined in any year for half a century. In 1900 the poultry and egg output was worth more than the world's annual production of either gold and silver in any year, with two exceptions, since the beginning of the gold and silver records.

Small and insignificant as the poultry products may seem, to the high-minded farmer who deals in big things, they form a mighty aggregate, and will form a still mightier one in money value when the census returns come in next year than in any year before. Sometimes a farmer admits their worth. We once heard a farmer at an institute in Iowa telling that his wife had made more from her flock of turkeys than he had made from forty acres of land that year.—Successful Farming.

TREAT THE HENS AND CHICKENS RIGHT

THERE never was a time, perhaps, when farmers could better afford to treat the hens and chickens right. In fact they cannot now afford to do otherwise. If not already properly equipped, do not hesitate to make expenditures necessary to become so. There should be clean and comfortable roosting summer and winter. Abundant and convenient nests should be provided. If there be not brooders, see that there are safe, dry and warm roosting places for the young chicks, and safe runs where the weeds and grass are not allowed to grow more than knee high to the little chick. Have watering vessels, kept clean and constantly replenished, that the chicks can easily get to, but that they cannot get into and wet their bodies. Have fine, gritty sand where they can easily get to it and pick over at their leisure. And finally be sure that there are convenient separate feeding places for the young chicks, where they can neither be robbed, trampled upon nor terrorized by the grown fowls.

And do not depend too much upon the fowls getting their own feed. On the farms no doubt they have free range, and they get much valuable feed of plants, grass and insects, but they must have all the required elements, which involves some grain and other dry feeds. Treat them right.

And while on this subject, we may well say that we do not see how farmers can longer afford to expend their efforts on the old mongrels that ran their course fifty years ago. This, however, does not apply to all mixed flocks. There are many mixed flocks on farms that have been built up by more or less judicious crosses of thoroughbred fowls. Some such flocks are very valuable. We have seen some that we thought were more productive of results than other flocks all of one variety. Yet we like to see, and always expect good results from flocks all of one kind.

And what we say of chickens applies to ll classes of poultry. Treat the entire feathered family right, and they will return the compliment. Poultry now occupies an enviable part of the stage.

PREPARING POULTRY FOR MARKET

A raiser of poultry for the St. Louis market tells how she treats the fowls before marketing them:

Our plan is to have a "fattening pen," roomy enough to accommodate two dozen fowls if need be, and this is thoroughly cleaned and disinfected after each lot is removed, before admitting the next batch. Plenty of grit and clean water is always at hand and the fowls are fed at first three times a day on coarse corn meal made into a stiff mush. Some green food is also given to keep up their appetites. At first the mush is not fed freely for fear of surfeit, but later on in three or four days we begin to increase it and in a week we give them all they can eat up clean four times a day.

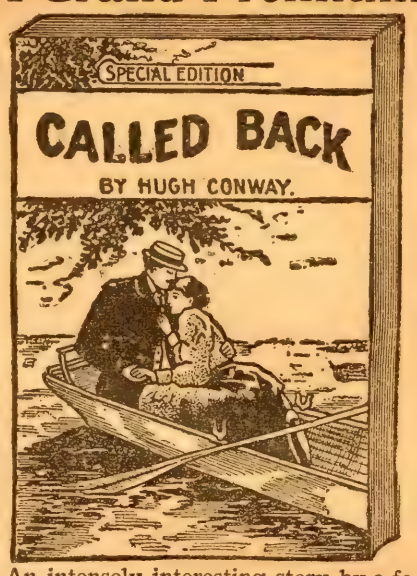
As the fattening period progresses we add charcoal to their mash, as a sweetener and corrective, and salt to season, as for our own food, is added from the first. An occasional feed of boiled wheat or corn is given for a change.

The fowls are kept penned from ten days to two weeks, and the gains made in this period are surprising. Besides the meat is tender and of fine quality, the enforced quiet tending to produce the effect.

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To all who order their building material of the Gordon-Van Tine Co., this firm will furnish a complete set of architect's plans and contractor's specifications absolutely free. If you are going to build, better send for their book of House Plans and their lumber catalog, which are free on request. Address The Gordon-Van Tine Co., 1857 Case St., Davenport, Ia.

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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

WHY AN "OFF SEASON?"

Is there an "off season" on the farm? **Not on the farm of a good farmer or gardener.** Neither is there one in farm journalism. **We work just as hard** to interest and instruct our readers **in the summer** as in the three other seasons. IN THE SUMMER WE PLAN OUR WINTER'S CAMPAIGN OF GOOD THINGS FOR YOUR BENEFIT. This is why I continue to ask you to **aid me by looking up your neighbor who is not a subscriber** and taking his subscription at 50c for two years. THERE IS NO "OFF SEASON" IN SUBSCRIPTION-TAKING. **Send them in, as fast as you get them,** to the PUBLISHER—**not to me.**

Sincerely,
SAMUEL ARMSTRONG HAMILTON, Garden Editor.

EXPERIMENT STATION NOTES

All my readers should keep in touch with the matter being sent out by the various experiment stations, especially those of their own states. The following are of interest to gardeners and orchardists:

New Hampshire Station, Durham.

"Some Apple Diseases," a fine resume of the various diseases of the apple in the Northern states; "The Coddling Moth, Etc.," being a very complete concise bulletin on this enemy so destructive to the apple.

U. S. Department of Agriculture.

"Methods of Legume Inoculation." *This should be in the hands of every gardener.* It is sent free on application to the Secretary of Agricultural, Washington, D. C. "A More Profitable Corn Planting Method." This will appeal to every gardener, and is also sent free.

THE GARDEN

The cold, wet, weather, reported as covering the central and eastern portion of the country, north of the Ohio River, continued all through the month of May, increasing in intensity during the last week, culminating in snow-squalls in many localities on the last day of the month. The spring of 1910 will go down in the history of gardening as the most inclement one on record within the memory of contemporary men.

Garden operations of all kinds have been greatly retarded by the exceptional weather, and in some sections the early crops have been a comparative failure, while the second successions have been held back by the lack of sun and heat.

However, the prices of all garden products have kept up, and there is a prospect that in the enhanced prices the gardeners will still make good on their summer's work. At least there is no prospect that THE DUMPER will get in his work.

Packing Vegetables

The advent of mid-summer brings us again face to face with the question of the economic and tasteful packing of garden products. The fruit growers of the far west have blazed the way in this matter, and the vegetable men of the South have commenced to put their products up in more tasteful and inviting packages, but there is much to be done in the matter of the UNIT of size for the different packages for the various vegetables.

The standard shipping vegetables such as beans, peas, potatoes, melons, cucumbers, tomatoes, lettuce, and many others are shipped in different packages from each different producing section. This is wrong, and tends to confusion, and prevents the making of relative standard prices for the different products.

In this there will be a field for the EQUITY SYSTEM, when it gets into universal operation. There should be standard national packages for each different shipping product, and there should be several sizes of each—a retail size, from which small lots can be sold by the dealers, and family sizes, which can be delivered to the consumer, direct from the producer, in unbroken packages.

It must be realized by gardeners that SIGHT SELLS FOOD STUFFS. Such products made appealing to the sense of sight, will sell more readily, and in larger quantities, and at better prices. There should be a "family-size" package holding sufficient of any one vegetable for an average family of six, as a unit. These packages, put up and sealed at the garden, in a neat tasty manner would be a good investment for any gardener. There are people of refined tastes, who do not relish vegetables, or other eatables, which have been fingered over by several dozen of dirty hands while on the retailer's stall. *The family package must come. Why not now?*

With the advent of the family package should come the "family hamper," a package of vegetables of different kinds, fresh from the garden, put up in a size for a family of six, and shipped or delivered, once a week, to private customers. These hampers are making the gardeners of the south side of Long Island rich. They are sealed with strips of trade-marked paper, and must be delivered with the seals unbroken. They could just as well be offered on a market stall, and would sell well.

Moisture Conservation

This is one of the most important things to be attended to in the garden, and it requires but a little system in doing your work to accomplish it. The garden should be worked after every heavy rain, just as soon as the soil is dry enough on top to work it. This working should not extend more than two and a half inches down, as it is merely intended to form a dust mulch to keep the soil below it moist—but not wet. If the soil is properly drained, and worked as above noted, it will retain just the quantity of moisture needed for its best condition, and assure rapid and solid growth of the plants growing in it.

There are many gardeners who do not realize the necessity for rapid action when the soil is just right for working. Once the soil cracks, or becomes what the writer calls "tubular" the evaporation of water is very rapid, and unequal, and the loss to the growing plants in proportion. Keep the cultivator going, and have better crops and a better mechanical soil.

THE SMALL FRUITS

The best of all the berries is in full season as these words are being written. It is a true saying, attributed to many different writers, that "The Lord could have made a better berry than the strawberry—*but He never did.*" The season is late, owing to the cold and wet, but in many sections the berries are reported large and sweet, and the prices good, ranging from 12c to 15c per basket, retail, which gives a good profit.

The crop of the next season depends very largely on the treatment of the berry plants after the season's crop is harvested. If growing by the matted-row system, allow not more than two runners to root to each plant, for family use, or four if growing commercially. The difference between these means extra large fine berries for the family garden, and medium sized ones for the commercial trade.

There is more profit in growing a medium sized berry for marketing than extra large ones. The latter are of value only for eating out of hand, but for general purposes, a medium berry like the *Marshall, Glen Mary, or Sharpless* is better and as a rule they are sweeter, have finer flavor, and ripen more evenly. But there is an attraction to the eye about an extra large berry that is very entrancing, and ladies like to have them on their tables, but the experienced house-keeper, or packer will have none of them.

After the runners have rooted, they should be cut apart, and, if the old plants have fruited the third time, it is best to remove them, and allow the young ones full sway. A well-tried plan is, in the case of a third-year berry patch, to root the runners between the rows, clear out the old rows, and allow the runners to form new ones, thus giving them new soil and opening the old rows to cultivation.

If the hill system is followed, as is the case generally in private gardens, for ease of cultivation, the young runners can be rooted in hills between the rows, and the old row rooted out the same as in the matted row system. However, there is a mean between the matted-row and the hill systems which has come into vogue during the past few years. It is the "spaced-plant" system, which many consider the best for fine large berries, as it is almost as productive as to quantity as the mated-row, and almost equal, in quality to the hill system.

In this system of growing the strawberry, the plants are placed a foot apart, given intensive cultivation, and all runners cut off for the two first years of fruiting. By the end of the first year the plants should nearly touch. By mowing off the cold leaves after fruiting, the crowns will 'stool" out and increase the number of fruit buds for the next season.

There have been many books written about the strawberry and many experiments made, and systems of culture adopted, only to be thrown aside for a later one; but when boiled down, the concensus of opinion, as expressed by the best and most practical berry men, is: That the strawberry cannot be grown with a profit commercially by any "fad" system. That it must be so grown that it can be worked with machinery, and the berries must be of medium size, fully ripe, and sweet, to catch the average market.

But for the home garden, and especially for the farmer who is a specialist, in that he likes to put on his table the finest of fruits and vegetables, as an evidence of his abilities as a farmer and gardener, there is a great pleasure in growing a few strawberries "by hand", as it were. *There is nothing too good for the farmer's table.*

THE ORCHARD

The inclement weather of which I have written above has played pranks with the orchards throughout the country. The variations of temperature were so great within an area of a few miles that orchards within ten miles of each other were differently affected. In most low locations there was more or less of freezing, but at the same time, in one district of which I have knowledge, the trees in the bottoms were not injured while many of those on the side-hills were badly affected.

The Insect Pests.

An entomologist, to whom the question was put, as to whether the cold wet spring would have any effect on the insect pests which afflict the orchards, replied that in many sections the period had passed in which the first crop of them usually appeared, and, that the first crop, when it appeared, would come in the time of the usual second crop. But this offers no excuse to the dilatory orchardist, as they are sure to get his trees in plenty of time to injure them, and the only safe plan is to spray according to the schedule outlined in the orchard number of this paper. The Coddling-moth must have special attention during the latter part of June, as once it gets an entrance into the blossom-end of the young apple, nothing that you can do will benefit that particular apple. It is bound to be classed as a "cull." *Culls do not pay.*

The Fungus Diseases.

The remarks above regarding the insect pests apply with equal force to the funguous diseases which attack the orchards, and the spraying recommended for them should be thorough and on schedule time. Prevention is the only remedy—There is no cure for the fruit once they are attacked by such diseases as the apple-scab. The disease can be eridicated at any stage, but an apple once attacked, will cease to be classed as "fancy" or No. 1.

A Little Spraying Calendar.

The following third applications will be in season the latter part of June, in most sections:

Aphis—*Kerosene emulsion.*
Caterpillar—*Paris-Green.*
Bitter-rot and scab—*Bordeaux-arsenate.*
Canker-worm; Coddling-moth—*Paris green.*

Watch the currant bushes and at first appearance of worms dust on *white hellebore,* after setting the leaves, or after a rain. After the crop is off the blackberries, raspberries, and gooseberries, give them *Bordeaux* mixture for fungus diseases.

A MODEL FARM YARD

I want one of my readers, *who is building a new home on the farm,* in a new yard, one which has not had anything done to it, to send me an outline of the yard, showing the exact location of the house and other buildings on the home yard. The exact size of the buildings should be marked, and their distance from the fences, or boundries shown.

I will then work this up into a model farmer's front yard, according to the landscaper's art, and publish it in one of the late summer issues of this paper, to be used as a model, and the planting can be done this fall. The prices of all nursery-stock used will be given, and an estimate of the cost for labor, when not done by the farmer or his family—as it generally will be. Only one can be illustrated, but inquiries from all will be answered by mail, when a stamped addressed envelope is enclosed. *Let the movement for better farm front yards become national.* I am at your service.

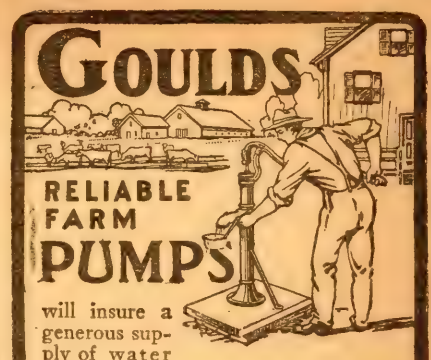
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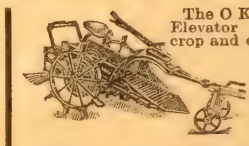


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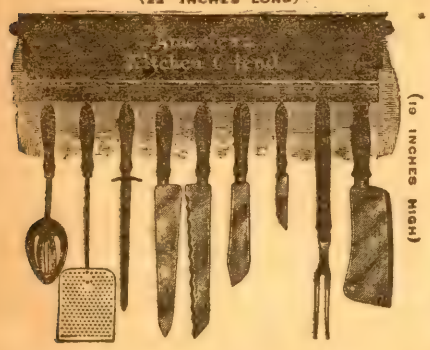
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Goin' Barefoot

It's more fun going barefoot, than anything I know;
There isn't a single other thing that helps your feelings so.
Some days I stay in mother's room a-getting in the way,
And when I've bothered her so much she says, "Oh! run and play."
I say, "Can I go barefoot?" And she says, "If you choose,"
And then I want to holler when I'm pulling off my shoes.
If you go around barefoot there's lots of things to know—
Of how to curl your feet on stones so they won't hurt you so;
And when the grass is stickly and pricks you at a touch,
Just plunk your feet down solid and it don't hurt half so much.
I lose my hat 'most every day, I wish I did my shoes,
Or else I wish I was so poor I hadn't none to lose.

—*Selected.*

THOUGHTS THAT COME

The Snowbird

By John P. Stelle

Spring but recently came, preceded by many messengers, ever brightening heralds of newness of life. As this glad season approaches, music wakes the slumbering buds, and calls from their cheerless beds the beautiful flowers. He that can find nothing to cheer, nothing to stimulate, nothing to make glad, nothing to admire during the spring time, must be colder than the ice that yields to the generous warmth. Spring has so much of life, of energy, of happy activity, but winter has only the snowbird, and who has not admired the daring little speck of nature in his coat of plain homespun, cheerfully gathering the scanty crumbs from the snow-clad door yard, or culling the dry seeds from the uncovered heads of the dead weeds along the roadside? It is no matter to him if the winds blow, or the ice locks up the stream, or the snow covers the fields and flowers, or that creatures covered like himself, but in brighter garments, long since left the dreary world to flit away among other trees and bask in brighter sunlight. Why should it matter? The snowbird is king of the frosts, and laughs in the face of winter's rudest blast. A nook somewhere, or a bunch of dry leaves, affords him a bed, and when the gray morning stares upon the dull earth again, his companions flutter about him, and he is up to welcome the day.

Have we not here a lesson for humans in the dreary winter of life? Dark seasons come even in the springtime, and frosts nip the flowers when their brightness is in sight. Must the shadows o'erwhelm and life's frosts o'ercome us? Not so the snowbird. It knows its mission and it dares the blast. There is no place where men and women and boys and girls can yield to adverse conditions and fold their hands and give up the struggle in the face of the storm. The snowbird never pines amid misfortunes nor frets at the hardness of its lot. Even the sleet may hold a scattered seed or the snow bear up a crumb.

Shall we cease our efforts when disappointments come? The snowbird's unielding wing buffets the wildest gust. Do we complain at misfortune and fret at what we call fate? The snowbird is happy where all else is cheerless and sad. If the lesson is hard or the task difficult shall we yield to the temptation to quit or seek something easier? The snowbird pushes its hard way to where the heaven prepared reward awaits.

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We may well be like the little king of winter. We may laugh at discouragements, overcome difficulties, outride storms and persevere through obstacles, for a reward awaits us in the hand of every victory.

CARE OF MEN'S CLOTHES

Farmers are not careful enough with their clothes; and they are not sufficiently particular about their personal appearance. We presume neither of these propositions will be disputed. It is economy to take good care of the clothes as well as a means of making one always look better dressed. We have known men who make it a rule to fold their pants up nicely every time they take them off, even if only to go to bed. Fold them in the front to the first suspender button; and shake out to full length. The legs should hang flat and exactly together. Spread full length on the bed so that the waist will come about the knee. Fold the legs back over this fold, and lay away. Even if only for a night. Though only for a night, the pants will look fresher and fit better.

To put clothes away after being worn, brush carefully and clean all spots that may appear. Lay the trousers in the original crease. Dampen a clean white cloth and lay it over them, pressing with a hot iron until the cloth is quite dry. Repeat this process on both sides of the seams. Do coat sleeves and lapels the same way, and press the back and front of the coat. Fold the vest as vests are folded by the merchants in the store. The result is that the suit will look fresh and new at each wearing, and it will last longer than if piled away as men's clothes are too often piled away.

HE KNEW HOW

"Pat, how on earth do you tell those twins apart. They are exactly alike."

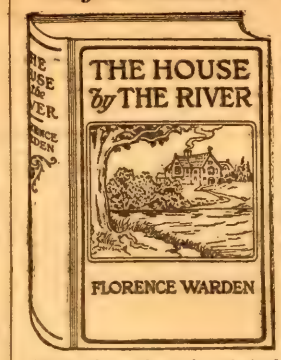
"Be aisy now. I sticks me finger in Dinnis's mouth, an' if he boites I know it's Moike!"

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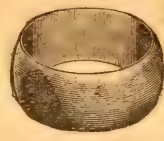
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"The author has a knack of intricate plot-work which will keep an intelligent reader at her books, when he would become tired over far better novels not so strongly peppered. For even the 'wisest men' now and then relish not only a little nonsense, but as well do they enjoy a thrilling story of mystery. And this is one—a dark, deep, awesome, compelling if not convincing tale."—Sacramento Bee.

"The interest of the story is deep and intense, and many guesses might be made of the outcome, as one reads along, without hitting on the right one."—Salt Lake Tribune.

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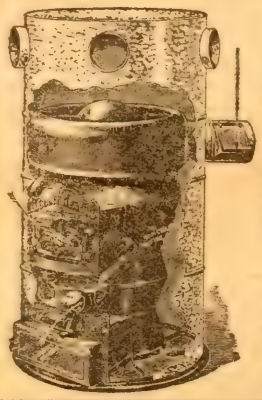
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Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K1867 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

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STUART'S PLASTER-PADS are different from the painful truss and being self-adhesive they hold the rupture in place without straps, buckles or springs—cannot slip, so cannot chafe or compress against the pelvic bone. The most obstinate cases cured in the privacy of the home. Thousands have successfully treated themselves without hindrance from work. Soft as velvet—easy to apply—inexpensive. Guaranteed in accord with National Drug Law. We prove what we say by sending you Trial Treatment absolutely FREE

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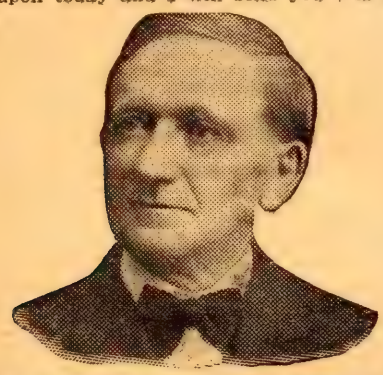
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OH, THE FLIES

GOODNESS gracious! What a pest the flies are! And houseflies are now considered more than a pest. The experts have learned lately that flies are regular telephones, disease telephones, receivers and transmitters of "all the ailments human flesh is heir to."

Well, they are bad enough, conscience knows—tickling one's nose, getting down his collar, darting at his eyes, buzzing about his ears, dropping in his coffee, helping to thicken his soup, and jumping into his mouth every time he opens it; covering baby's face and spoiling mamma's nap—that is bad enough without telling any more. Yet there is plenty more to tell.

Screens. Are there screens to all the doors and the windows that are to be raised or lowered, and do the screens fit close? But even screens are not the end of the battle. They are only the breastworks or fortifications; the battle must be fought later. The screen doors must be opened to let people in and out, and there are nearly always a dozen flies watching to dart in every time an opening is made. There must still be some means for destroying the intruders after they have got into the house. There are various fly traps and fly poisons for that purpose, some harmless and really effective, but we'll not name any. The reader may hunt them up, and then there'll be nothing to think words at us about.

The best way of all is to keep all the rooms as dark as possible, even the kitchen when not occupied, if there ever is such a time. And be sure there is nothing the flies can get into, nothing to afford them even a lounging place, much less an easy meal. A refrigerator to keep all the "left overs" in, and everything else the flies would like to get at, is the best fly baffler in the business. Flies, like people, go where they can find things, and they are not likely to be so troublesome where everything is kept clean and there is nothing for them to get.

On the matter of keeping the rooms dark, however, a caution may be necessary. It is not meant that the rooms must be kept tightly closed. Ventilation must be neither forgotten nor neglected. Better be tickled by a few flies than to live in bad air. In darkening the rooms it is not necessary to exclude the air. Keep the blinds down in all but the living room, and see that the screened windows are either raised or lowered. Thus may the family retire in well-ventilated rooms without any flies, and the parlor well filled with fresh air and free from flies may be used any day to entertain guests.

But where do all the flies come from? If you live in town you can't help it. You are doomed most likely to fight somebody else's flies. But in the home on the farm it is somewhat different. There the flies are your own, and every single one of them crawled out of a bed of filth somewhere. Where is the stable, the cattle and horse barn, and in what condition are these buildings and the lot itself kept? Mr. Man, you don't like the flies in the house, but it is entirely probable that you are responsible for their numbers. Keep the lot itself cleaned, and the stalls. You want to save the manure, for you need it on the fields, but you don't want the flies that breed in it. Keep lime well sprinkled over the manure piles and on the bottoms of the stalls. That is very distasteful to the flies and it destroys their eggs, and it makes the manure all the better.

Are there any filthy places about and around the kitchen? What is done with the slops? Even if thrown on the ground it affords hatching places for the flies. Keep everything cleaned up—fewer flies.

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A high medical authority says: "In the forms of neurasthenia it deserves the unique position of being the only treatment which is curative, dispensing with all treatments of rest, travel, diversion of mind, dietetics and physico-mechanics."

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FREE

Prove the results of this great discovery for nerves, free. It speaks for itself. A trial package of this great nerve awakener will be sent free in sealed wrapper, by return mail, to every man and woman who sends his or her name and address, as instructed below. Do it today. A revelation is in store for you.

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For Men. Slow thought, draggy, woody thinking is the cause of many failures. Nerve-force gone! You are what your nerves are, nothing else. If you feel all run-down from overwork or other causes, if you suffer from insomnia, "caved-in" feeling, brain fag, extreme nervousness, peevishness, gloominess, worry, cloudy brain, loss of ambition, energy and vitality, loss of weight and digestion, constipation, headaches, neuralgia, or the debilitating effects of tobacco or drink, send for the free trial package of Kellogg's Sanitone Wafers, and begin at once a life of power.

For Women. If you suffer from nervous breakdown, extreme nervousness, "blue" spells, desire to cry, worry, neuralgia in any form, back pains, loss of weight or appetite, sleeplessness, headaches, and constipation, and are all out-of-sorts, Kellogg's Sanitone Wafers will make you feel that there is more to life than you ever realized before. Send today for the free trial package.

Kellogg's Sanitone Wafers make the use of headache remedies, (dangerous heart depressants) no longer necessary. At last, no more headaches. No more medicines, no more weak nerves! These Wafers are as safe as the air you breathe and cause absolutely no bad after-effects, no more need of dieting, diversion, travel, tiresome exercises, dangerous drugs, electricity, massage or anything else.—Kellogg's Sanitone Wafers do the work of each and all, give you nerve-force, and make you love to live. Their results are lasting. They make a luxury out of life.

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CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

We can't print near all of the Cadet letters. We take them in turn as nearly as we can so as to treat everybody fair and to give all an equal chance. But those who do not see their letters in the paper must not think they are not Cadets of Equity. In writing they complied with the conditions of membership, and the rules governing space in publishing papers alone prevented us from printing them as fast as they were received. But the writers are all promptly entered on the membership roll, and are at once made Cadets of Equity.

And it is time now for us to take a STEP FORWARD. A Cadet is a student or a learner. A pioneer is one who is FIRST in anything. When students advance sufficiently they want to begin work along the line in which they have been learning. Who of our Cadets would like to be FIRST in this great work for humanity, for fairness, right and justice? Who would like to become PIONEERS OF EQUITY?

But how can the Cadets best work or do something for Equity? We have been studying that question ever since the Cadets was started, and we have come to the conclusion that there is no better way in which they can aid the cause than in getting people to read Up-to-Date Farming, itself the Pioneer and unyielding teacher of Equity. No Cadet is too young to do that, and none are to old. So this promotion applies to ALL ALIKE, and it is entirely fair to all.

Here are the conditions:

Any one who will make up a club of five yearly subscribers for Up-to-Date Farming, will be promoted to the rank of Pioneer of Equity. The price of Up-to-Date Farming is 25 cents a year. Five subscriptions amount to $1.25. As help and encouragement to the Cadets we will allow the one that makes up the club the extra 25 cents. So all you have to do is to send us the even dollar with the five names and addresses, plainly written, and that makes you a Pioneer of Equity, a member of the first youthful band in the greatest cause in the social and business world. We are devising a badge or emblem that the Pioneers of Equity may proudly wear to designate their rank, and to distinguish them from those who have not yet espoused so great a cause or engaged in so great a work. If the Pioneers grow so rapidly as the Cadets have a great work will, in truth, be done. Who will be first? Go among your friends. You do a favor to every one you induce to read Up-to-Date Farming, and each of them does you a favor in helping to make you a Pioneer of Equity.

We print all the letters we can in this paper, but large numbers of them are still waiting. But continue to write. We want a hundred thousand Cadets and then a hundred thousand Pioneers.

Dear Cadets: I am 16 years old, and live in the western part of Virginia. It is very mountainous here, and corn and wheat are the principal crops. We do not live on a farm now, but we will soon move to one. I like the country much better than the city. We think Up-to-Date a good paper.—Alees Lugar, Mallow, Va.

Dear Cadets: I am only 7 years old, but I have been going to school, and my teacher thinks I am getting along fine. I live on the farm, and we have horses, hogs, cows and chickens. We raise corn, wheat, fruits, hay and vegetables. I hope to be a Cadet. Mother takes Up-to-Date, and thinks it is the finest paper ever printed.—Alenway Bushong, Mallow, Va.

Dear Cadets: I was 14 years old the 20th of March, and had a surprise birthday party and a post card shower. I received 40 cards and had a fine time at my party. I have brown hair and blue eyes, am 5 feet 5 inches high, and weigh 120 pounds. I live in town. My papa owns the livery barn here, and is getting along real well. What are the boys and girls going to do this summer to earn a little pin money? I am going to sell Larkin's goods. I think it is so nice when we can have our own spending money. How many of the Cadets get subscribers for Up-to-Date? I do for one, and I think it is a fine paper. I would like to exchange cards with the boys and girls.—Grace Payne, Formosa, Kansas.

Dear Cadets: I am a girl 13 years old. I live in the country, and have lived on a farm all my life. We take Up-to-Date and think it is just fine. I can do housework while my mother works on the outside in the garden. My father has 7 head of horses. I love to ride horseback. My brother's birthday is the same as Levera Clinker's, and he is the same age. Though we live on a desert claim, we raise fine crops of potatoes, hay, corn and oats. I would like to correspond with Esther M. Swenson.—Edith Cartwright, Musselshell, Mont.

Dear Cadets: I am 19 years old, and have always lived in Michigan. I cannot say too much in favor of this country. Our principal product is fruit. My home is not far from Glen Lake, a popular summer resort. There are many good chances for the man that wants to buy a good home. The land is easily cleared. I have been in the habit of rising early every morning to walk half a mile, and clear half an acre of land before breakfast. I have one brother and two sisters in Washington.—E. H. Hilnot, Maple City, Mich.

Do you "clear" that land at a single bound, or does it take several leaps to clear it? And is it the same half acre every morning?

Dear Cadets: I live on 160 acres of land in the western part of South Dakota, and I like it fine here. My nearest town is 5½ miles away, and the next nearest is a mile further; but I can see both of them from my window. I can also see part of the Black Hills and the Bad Lands. We raise almost every kind of grain, our crops being wheat, oats, corn, barley, spetz, potatoes, and all kinds of vegetables. There is lots of stock in this country. Lila Wallace thought she would like ranch life. Well, it is alright, but we have some hardships, and I guess they find them anywhere. There are lots of ranches here. I am much interested in the East, and would like to correspond with any of the eastern Cadets. I was born in Grant county, Wisconsin, and left there when I was 8 years old, and I often wish to go back for a visit. I am well pleased with Up-to-Date.—Ora Moran, Quinn, S. Dak.

Dear Cadets: Here is another girl who wants to join your merry circle. I have light hair and blue eyes, am 5 feet 4 inches tall, and am 14 years old. I have not been taking Up-to-Date very long, but I am much interested in the Cadet letters. I am a country girl, living on a farm, and I like it very much better than in the city. I have a mile to go to school, but I will only get to go next term, for after that I will be needed at home to help mamma with the work. I have a sister who is 17, but I have no brother. I would have written sooner, but I have just got over the mumps.—Louise Bredon, Strasburg, Ill.

Dear Cadets: I think your letters are very interesting, and we think Up-to-Date is a nice paper. I am 14 years old, and we live one and a half miles from town, a small town called Medaryville in Pulaski county, Ind. I go to a country school, and am in the 8th grade. I would like to hear from some of the Cadets in the western states. I would also be glad to receive postals from any who read the letters.—Flossie L. Timme, Medarysville, Ind.

Dear Cadets: I have not been taking Up-to-Date Farming very long, but I think it is a fine paper. I note how the Cadet letters have increased in number, and I thought I would like to be a cadet, too. I am 19 years old and live on a farm of 165 acres. Corn, oats, timothy and clover are our principal crops. We keep a good many cattle, and have over 30 gallons of milk a day. I would like to exchange postals with any of the Cadets, and especially with Ethel Cartwright of Montana. Long life to Up-to-Date, and may God help Mr. Everitt in the work he is doing.—John A. Kneen, Monmouth, Ill.

Dear Cadets: I will be 16 years old June 5, 1910. I have one brother and 4 half brothers. We worked 40 acres last year, 20 of it in corn. It is a sandy soil, and I think it is a pretty country.—Ada Jackson, Richland Springs, Texas.

Dear Cadets: I am a boy of 12 years and live on a farm of 40 acres. We raise corn, oats, wheat, timothy and clover hay. I like farm life, and I like to go fishing on the creek. My mamma is dead, and I live with my grandpa and grandma. I see you have not room to print al the letters, but I want to be a Cadet anyway.—Harold A. Bowman, Columbus, Ind.

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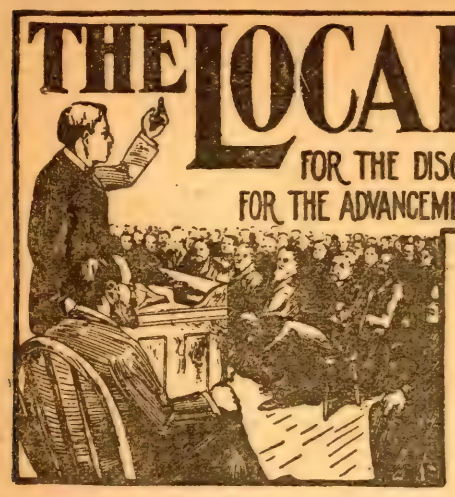
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Up-to-Date Farming

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"The average farmer is constitutionally averse to anything that savors of 'unionizing' himself—in the sense that the word is commonly used. He is instinctively an individualist. But he can be brought to see the advantages, the necessity even, of a certain degree of organization for the purpose of better systemizing the business of marketing his product. And the time has come when, under leadership and management that commands his confidence and respect, and appeals to his reasons, he will enlist and stand pat, heartily and permanently"—R. C. Curry, Madisonville, Ky., May 28, 1910.

—o—

If Mr Curry is correct then what is the "certain degree of organization" that the average farmer will stand for?

—o—

Farmers have organized in the past. They organized to buy cheaper, for social improvement, for education and entertainment and in recent years, in a desultory way, to sell co-operatively. All of these organizations aroused enthusiasm when they first appeared and some of them attained a great membership.

—o—

But none of them measured up to the farmer's requirements. After the novelty passed away he ceased to take interest in them, they came to a standstill, then disintegration set in and death resulted.

—o—

It is strange that the leaders of those organizations did not discover what the farmer needed to bind him to his organization; it is the same inducement that controls men's actions in all activities—benefits. People will not do those things, and continue to do them, that do not give them enough benefits to justify the time, effort and expense demanded.

—o—

Mr. Curry is right when he says: "He, (the farmer) can be brought to see the advantage, the necessity even, of a certain degree of organization, for the purpose of better systemizing the marketing of his crops."

—o—

So leaders and teachers have made the mistakes in the past of prescribing the remedies and, notwithstanding the farmer swallowed many doses they did not cure and as a matter of course finally left off taking them. As an example, we quote from a publication before us an appeal by the leader of a farmers organization to his members, as follows:

Brethren, you've got all the system you need. Systems of proven practicability and merit have been brought into our society's affairs. Also you have the best systems of business men all around you upon which to model your plans for the proper distribution and marketing of products, and the business like buying of supplies. Don't talk so much about the necessity of systems, which we already have an abundance, instead, encourage these systems by your patronage. Today we have successful mills of various kinds, banks, ginneries, creameries, manufacturing enterprises, fruit and truck exchanges—what not. What is needed is the proper men to operate the systems that are easily available and the proper sort of support.

—o—

The certain degree of organization farmers need is not represented by that organization. It has far overshot the mark. That is the common error. It is always fatal to a farmers' organization to attempt to do every other business on earth while farmers are not master of their own.

—o—

The degree of organization and the system for the farmer must have singleness of purpose. First it must be "for better systematizing the marketing of his crops" as Mr. Curry said. It must be absolutely free from every thing not directly connected with the marketing of crops.

—o—

The time may come when farmers as a class will undertake to bring about social reforms, or business readjustment; or even attempt to control the political situation, but the time is not now. Such things may follow the organization, but an organization for farmers will never be founded on them. The corner stone and foundation of the sound organization that is coming for agricultural is marketing crops to give farmers all the money they are entitled to. First let farmers seek their **INDUSTRIAL FREEDOM** and when they have found it all other good things will come to them.

—o—

We claim that the **EQUITY SYSTEM** of the Farmers Society of Equity is the one that fully meets the farmers present requirements. It absolutely confines itself to the distributing end of the farmers business and will systematize marketing so as to make agricultural as certain for profits as the best systematized and regulated business in the country. Mr. Martin E Calvin, Sec. of Georgia Experiment Station says: "The Farmers Society of Equity is in a class by itself. I have long believed it to be capable of high and valuable service to the toiler."

—o—

And Mr. Calvin is right. Its plans are simple, sensible and practical. It does not scatter but concentrates on one object—that of marketing farm crops All that is required of the farmer is to become a member. If a member of a local union he is no more required to attend every meeting than Masons or Odd Fellows are required to attend all the meetings of the lodge. As long as he pays his annual dues he maintains the organization which is always ready to serve him in marketing his crops when he telephones to his secretary that they are ready.

—o—

The only thing that remains to guarantee the perpetuity of the organization is benefits to the members. Farmers will begin to get benefits as soon as they become members and use the marketing system and increasing benefits as the organization grows, until the producers of the crops will be the absolute price-makers thereof.

—o—

The **EQUITY SYSTEM** is the key to **when to sell, where to sell and how to sell** to secure the most money for the crops. When it is understood we believe it will be used by all producers, not because of any force or coercion brought to bear, but because **IT PAYS.**

—o—

Use the coupon below.

PRODUCE EXCHANGES VS. THE EQUITY SYSTEM

(Continued from page 1)

the cloth manufacturer who had contracted to deliver cloth.

12. The damage, however, would not be confined to the latter alone, for both the producer and consumer would share in the misfortune. It is essential to the farmer that he has a continuous market throughout the year at a price reasonably uniform. This he has under the present system. With the system of buying and selling for future delivery abolished, prices would be below the cost of production right at harvest and exhorbitant immediately after.

13. This would fall most disasterously upon the poor farmer and "renter" who had to realize upon his crops immediately after harvest in order to support his family "between crops," buy his seed and prepare his farm for the succeeding one. On the other hand, it would be a "real harvest" for the farmer who had the means and storage facilities to hold his crop, and the large elevator man with the same financial support and storage facilities.

14. The present system, therefore, affords just the conditions which the producer needs—a continuous free and wide market for his crops at a reasonably stable price. At harvest time now, the entire supply of grain, provisions or cotton is not suddenly thrown upon the markt, thus depressing the price, for a large part of it must be used to fill contracts entered into probably months before harvest. On the other hand, just preceding harvest time the price does not rise unreasonably, as it would naturally do in the face of a vanishing supply, because a portion of the last crop has been reserved to fill contracts entered into months before the time of greatest scarcity. This is of particular benefit to the consumer.

15. The system of buying and selling grain, provisions, etc., for future delivery affords the grain dealer, elevator man and miller a perfect system of insurance by the practice of what is known upon the exchanges as "hedging." The only difference between a fire insurance policy and a "hedge" is that the former insures one's capital, whereas the latter insures one's profits. Both, in my judgment, are neces-

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sary factors in modern commercial life.

16. * * * We have traveled a long route in this explanation of the system of buying and seling grain and provisions for future delivery. It may be abused and probably is many times, but, unless some better system is devised to take its place, I am confident its destruction would create chaos if not a cataclysm in the grain trade of this country. It would carry down with it not only the members of the exchange, who alone seem to have attracted at various times widespread criticism, but the producer and manufacturer, while the consumer would experience the greatest hardship, due to the wide and constant fluctuation of prices.

THE EQUITY SYSTEM AND THE PRODUCE EXCHANGE SYSTEM CONTRASTED

Here we repeat our introduction to the corresponding section of the article in June 1, number.

It is not our purpose to prove that the present exchange or board of trade methods are a menace to society, or necessary evils, nor that they are not of benefit to the commercial world. We can ignore all such claims made by their enemies and their friends, but we will attempt to prove that the Equity System will do far more than the old one ever attempted, correspondingly benefitting the commercial world and in no respect can any evil effect follow its establishment.

1, 2. We will see farther along if each is dependent on the other, but now will say that farm products are raised to be consumed. Whenever there is a transaction by the actual consumer, or his representative, it is a "cash" transaction and the sum of all such covers all the grain and other provisions produced. As the demand for consumption is constant and very uniform we deny that the "pit" transactions result in any more demand or any more consumption.

4. The Equity System is not "intricate"and there is no "mystery" about it as the reader who studied it in the May 15th and June 1st issues know. In such respect at least it must have an advantage over the Exchange System. The desire in business is for clearness, certainty and definiteness and to our knowledge grain dealers, millers, bakers and consumers have become very tired of the "intricacies" and "mysteries" of "pit" methods of pricing and marketing grain and provisions. The claim that it "provides a wider market" for the producers products is false. Under any system the demand will seek the supply or vice-versa—people and domestic animals must have the products of the farm to live—and as much will be consumed. And as to insuring the profits of the elevator man and miller, if the "pit" transactions, speculative, was cut out entirely the condition that makes such insurance necessary would not exist.

5, 6. But suppose the milkman would sell his customer who consumes 365 quarts of milk in a year 36,500 quarts; the coal dealer who has a demand for 200 car loads of coal would order of the mine owner 2,000 carloads; the contractor, notwithstanding that it requires 5,000 tons of steel to build the great building, would contract for 50,000 tons, etc., the transactions would be exactly on a par with the exchange methods of marketing farm produce. Then it would be necessary to inject a new feature in such commercial transactions as the "pit" methods have made it necessary in the "cash" grain and provision transactions. Then what are now plain business transactions would become intricate and mysterious as has the handling of farm produce.

7, 8. By the Equity System prices are not made for a year's crop until the crop is produced. And why should anybody want to buy the farmer's crop when it is still in the ground? The farmer cannot know what it will be worth until after the harvest, and the consumer cannot consume it before it exists. The new system will suggest to dealers the advisability of making contracts running not more than one year, for the current crop. We deny that the farmer usually disposes of his crops by selling them on some Board of Trade, but if this is done to a considerable extent it is not because the farmer prefers to do it, but because the exchange method impels him to do it to protect him from a vicious system or through a desire to gamble.

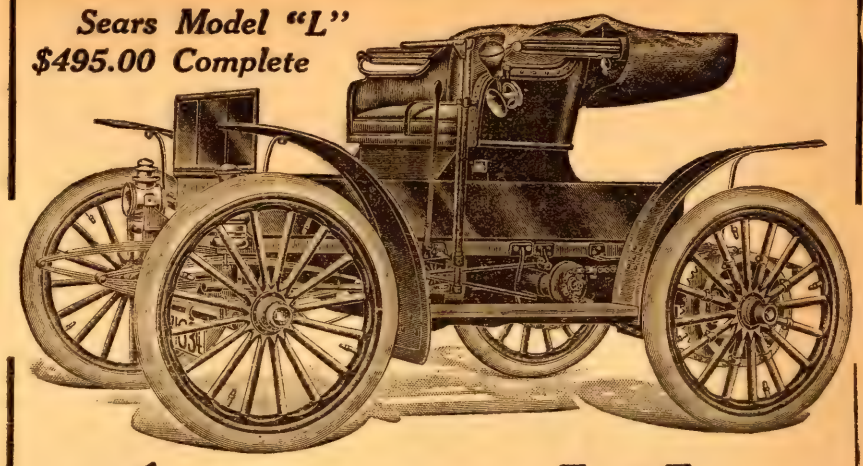
9, 10. We contend that in the exchange method the "cardinal rule" that "delivery must be made" is not complied with. The very nature of the transactions make that impossible as we believe we can show by Mr. Merrill's illustration. Let us ask Mr. Merrill: did Broker A have the 5,000 bushels of wheat on February 1st that he sold to Broker B? and are all such transactions represented by actual grain or provisions? Mr. M. will not contend that they are. Then if Broker A had no wheat he could not deliver any to B; nor B any to C; nor C to A. Mr. M. is depending on the supposed stupidity of his readers when he talks about selling 5,000 bushels of wheat. There was no wheat in the transaction. Just try to imagine the milkman supplying the city family with milk that way, or the coal man supplying coal that way, or the ice man supplying the kind of ice that wheat represented in the sale.

Of course the rules of the exchange method contemplate that if the speculators have not evened up their scores by the end of May or other future month named, the buyer has the privilege of demanding his wheat, or corn, or provisions; and the seller has the privilege of forcing on the buyer the actual stuff representing the deals not closed. This is the "actual delivery" feature and never represents one one-thousandth of the value of the speculative transactions. And note the frequent results of such settlements. It was in the settlement of only last month that the exchange system rattled prices of cash wheat down from around $1.10 to $1.00 in a few days and future, new crop deliveries, down to 92 cents. If the saving grace of the exchange system is in the "delivery" feature it ought to be condemned because it is the greatest unsetfler of business in our whole commercial fabric.

11, 12, 13, 14. In the absence of the "future delivery" feature the miller would wait until the crop was produced and the producers had agreed on the price. Then he would have a year of certainty ahead of him,

(Concluded on page 4)

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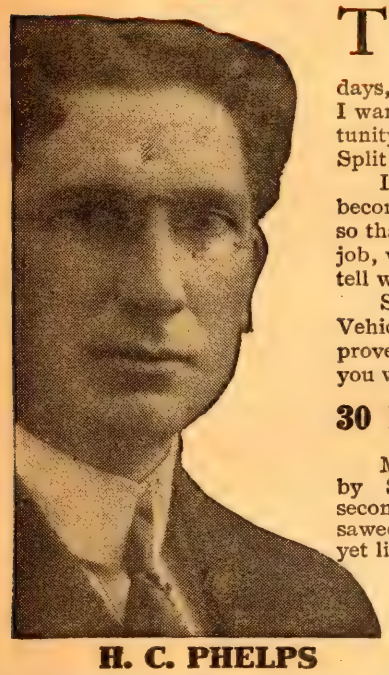
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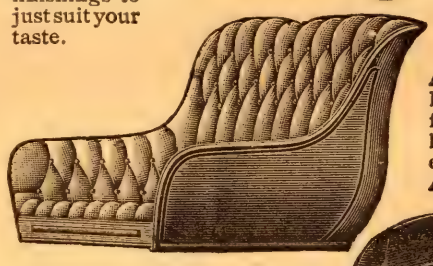
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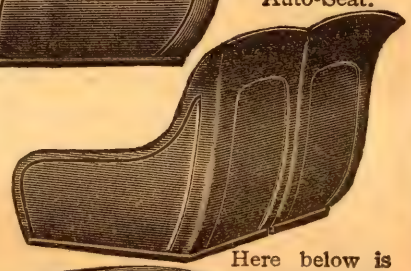


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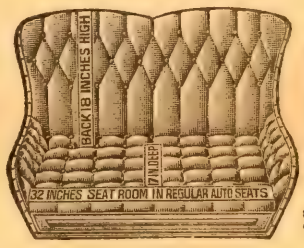
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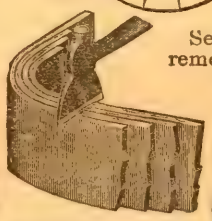


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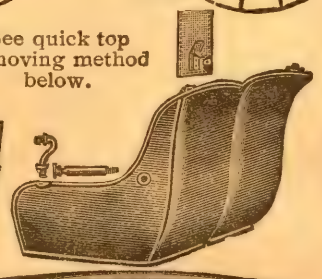
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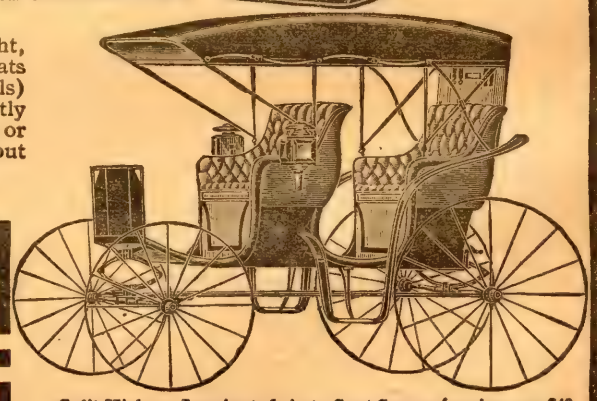


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Volume XIII | INDIANAPOLIS, INDIANA, JULY 1, 1910 | Number 13

PRODUCE EXCHANGES vs. THE EQUITY SYSTEM OF MARKETING FARM CROPS

THIRD ARTICLE

We repeat part of our introduction to former articles as follows:

"John C. F. Merrill, Vice-President, Board of Trade of the city of Chicago, wrote a series of four articles, 'Study of Economic Functions in System of Production and Distribution,' which was originally published in 'Chicago Commerce' in March and April, 1910. Later the articles were printed in pamphlet form for general distribution.

"The subject was considered under four heads as follows: Article I. 'General outline of the functions of the produce Exchanges in Modern Commercial Life.' Article II. 'Buying and Selling for Future Delivery.' Article III. 'Speculation.' Article IV. 'Exchange Evils and their Cure.'

"Naturally the purpose of the article was to justify the continuance of Produce Exchanges and Boards of Trade as they exist and to counteract the efforts directed through congress to close them out or confine ther operations to dealing in the real commodities.

"In view of the mission of UP-TO-DATE FARMING to establish a sound marketing system for farm crops that will eliminate the evils of the old system and make farming as definite and certain for profits as the best regulated business in the country, we assume to reply to Mr. Merrill's article. We will compare the present produce exchanges and their system of price making and marketing crops, with the Equity System that we are establishing and leave it to the reader to decide between the two.

"We will not print all of Mr. Merrill's article as, for comparison that will be quite unnecessary. We will say, however, that we will not omit anything that will make what we do quote less clear, or pervert its meaning."

In this article we will consider Article No. III, and follow with the remaining article in our next number. First we will print what Mr. Merrill said and then follow with our criticisms, comments and comparisons.

Readers who want the former articles should send 10 cents for June 1, and 15, numbers, or 25 cents for twelve copies.

ARTICLE III—SPECULATION

Mr. Merrill said:

There is probably no single subject, not only in the produce trade, but in the whole range of commercial affairs, about which so much has been written and yet remains so completely misunderstood as that of speculation.

1. It is a fundamental economic principle that all productive industry at the present time involves a certain amount of risk. A century or so ago, when each separate locality was sufficient unto itself for all its needs, risk in industry was, if not absent, at least a negligible quantity. Now, however, the great specialization of industry, the creation of world markets for the staple products and the vast increase in the time which elapses between the performance of the labor and the utilization of its products by the consumer have combined to increase the risk involved. This has rendered far more important in industry and commerce than it once was the factor of risk until now industrial society must provide a compensation for risk in addition to that for goods and services.

2. The failure to observe this economis truth, that whether we like it or not, the evolution of modern industry has rendered this factor of risk an essential part in its life accounts in my judgment for a large part of the present misconception of commercial speculation. Wider knowledge would show that far from being a parasite upon industry and commerce, it is an integral part of it and a factor which, without dissimulation, can demand recognition and its just compensation.

3. The rise of any new factor in industry causes the development of certain agencies and agents to perform the duties connected with them. When we passed out of the age of barter to that of money exchange, the world required the mint and the bank, and in the course of time both appeared. Likewise, when commerce developed to the point where it was carried on between foreign countries, and the transportation of specie to adjust balances of trade became burdensome, the system of foreign exchange was evolved. And so in the case at hand, when the factor of risk became a fixed quantity in modern industry, there arose the broker and the speculator as a distinct class to assume the burdens laid involuntarily upon it. And so long as the element of risk is present, just so long will modern industry require the presence of this distinct class

4. Let us define what we mean by speculation and how it differs from gambling. The German economist Cohn gives us probably the most accurate and satisfactory definition when he says that speculation "is the struggle of well-equipped intelligence with the rough power of chance," or, as Justice Holmes puts it, "it is the self-adjustment of society to the probable." In simpler English, it is an act or a series of acts based upon calculation, whereas, gambling is simply an act based upon blind chance.

5. It may indeed be true that because of the greater facilities open to one man in acquiring a knowledge of the real facts his acts may not be the result of calculation, but of exact knowledge. Then it is no longer speculation. If A, as the result of long experience and careful study of all the conditions, decides to build a hotel at a faraway point, because he has confidence that there will be need for it in the future, it is speculation. If, on the other hand, he had beforehand exact knowledge that a railroad was going to build its line through this point and that large numbers of people already had started for the place, it would be very much less a speculative transaction upon A's part. The basic principle of commercial speculation, therefore, is that of undertaking a risk after a calculation based upon all known conditions.

6. Commercial speculation as known upon the leading stock and produce exchanges of the world is a contract based upon risk. A cardinal fact of business is that speculation, whether we like it or not, "is inseparable from any business which deals in any way with the future needs and wants of mankind." It must be borne in mind that what we ordinarily term "speculation" is not possible with all products. We only meet with speculation in those commodities produced in enormous quantities, for which there is a world demand and such as are not susceptible to deterioration, when properly cared for, by holding them in store.

7. Did it ever occur to the reader that with the exception of potatoes, which are perishable, and hay, which is of great bulk, and therefore do not permit of speculative trading, the only agricultural products, the prices of which are not controlled by a "trust," are those dealt in upon the produce exchanges? The reason for this happy state of affairs undoubtedly is that in the trading of the latter speculation plays so large a part.

8. There has been a great change in the form which speculation has taken during the last century. Before the invention of modern means of transportation and communication, the chief speculative profits were to be had by taking advantage of differences in prices between different markets. It not infrequently happened that there was an abundance in one country and almost a famine in another.

9. This form of speculation by taking advantage of the differences betwen prices at different markets has given way to that of taking advantage of the differences in prices at different times in the same or other markets. The modern and safe means of transportation and communication have resulted in making the difference in prices between different markets substantially the cost of transportating the commodity from one market to another. The source of profit to the speculator in wheat now is the difference between the price today and at some date in the future. If he calculates that the price will rise, he buys with the hope of selling at the advanced price. If he forsees a decline, he sells for future delivery, trusting that at the latter date he can procure the commodity to fill his contract at a low enough price to leave him a profit. Both forms, however, make provision for a profit to those who undertake the risk.

10. We are now prepared to consider whether this profit or a risk undertaken is a legitimate one. We have seen that the element of risk enters more largely in the commercial affairs of the present than at probably any other period. This is due to the great specialization of industry, and the length of time which elapses between the two terminal points of production and consumption. This is probably more true of the trade in food stuffs than of almost any other we could name. Not only locally but nationally the farmer's supply is far in excess of local needs. His market must be found therefore, in those parts of the world where the population is more largely engaged in other forms of industry than agriculture. This causes the trade in food products to be attended with unusual risks.

11. Some one must undertake this risk, or

(Continued on page 2)

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

the farmer's market will be contracted to the local demand. Who will undertake it, the farmer or a class of men, who, by knowledge and experience are fitted to assume it with the greatest degree of safety and efficiency? It is a business which requires special skill, large facilities and very considerable financial responsibility. The former has ordinarily none of these, whereas, the latter, through many years' experince, has provided himself with all of these special qualifications. Our answer must undoubtedly be that the latter class should assume the risks incident to the business, if the tremendous agricultural products of the world are to be marketed at the greatest possible convenience and profit to all concerned.

12. The speculative element in the modern grain and produce trade does more, however, than provide a constant market at the least cost to the producer. It operates to steady and equalize prices through long periods. This is of peculiar benefit to the consumer, as he is to this extent freed from having to bear the full brunt of rapid changes in prices due to the law of supply and demand. As stated above, the entire surplus crops are not immediately upon harvest thrown upon the market, thus depressing the price, nor just preceding harvest are prices raised to an exhorbitant level, due to a vanishing supply. The operations of the speculator during the whole period in absorbing a large part of it to fill contracts, or to sell at the times when in his judgment it is wise to do so, operate as the governor of prices between the two terminal points of production and consumption.

13. In conclusion, let us summarize the various arguments advanced as justifying the presence of speculation in the produce trade of the world. We saw that commercial speculation was but a contract based upon risk, and that the latter element has become more and more an integral factor of modern industry. And, further, we found that, unlike gambling, and similar to insurance, it was a contract based upon risk, which contributed to the public good in providing a continuous and open market for the great surplus farm products at the minimum of expense to the producer, and at much more stable prices to the consumer than would be true if it were absent. It moreover, has taken from the producer the great risk attendant upon marketing his crops, and placed it in the hands of those best fitted to assume it, because of the latter's superior experience and knowledge of conditions. And, finally, we have seen that not only from the point of view of economics, but of law, and morals, speculation in the produce trade was equally legitimate and equally desirable with such speculation in many other avenues of our commercial life.

THE EQUITY SYSTEM AND THE PRODUCE EXCHANGE SYSTEM CONTRASTED

Here we repeat our introduction to the preceding comments and criticisms in June 1, and 15, numbers, as follows:

It is not our purpose to prove that the present exchange or board of trade methods are a menace to society, or necessary evils, nor that they are not of benefit to the commercial world. We can ignore all such claims made by their enemies and their friends. But we will attempt to prove that the Equity System will do far more than the old one ever attempted, correspondingly benefitting the commercial world and in no respect can any evil effect follow its establishment.

We want our readers to understand that the main difference between Mr. Merril's position and our own is that he, through Produce Exchanges, attempts to supply a need that arose because of the intricate, disorganized and uncertain system of marketing, while we go to the foundation and propose to substitute a simple, organized, definite and reliable system of marketing that eliminates the elemet of risk, consequently makes the Produce Exchange system unnecessary. When marketing is done through the Equity System, the Exchanges will be abondoned, because the risk will be no greater than in other well-regulated commercial transactions. When the Equity System of directing the marketing of farm crops is in operation, there will be no better field for speculation in agricultural productsc than there is manufactured commodities. The fact that the products of American farms must supply world's markets will not increase the risk, as we can see. The demand for food wherever it is, will seek the supply, wherever it is, and neither the Exchange System or the Equity System will make more or less supply, nor more or less demand. The problem for either system is to connect the supply and the demand the most directly, the most completely and at the least expense. It must be evident to the person acquainted with both systems that a great advantage is with the Equity System, because it reports all of the crops, where they are, how much and the quality, all to one place. This fact permits the demand, no matter where it exists, whether in this country or a foreign country, to go direct to the supply and be satisfied.

2. If we admit, as Mr. Merrill said, that "the evolution of modern industry has rendered this factor of risk an essential part of its life" and made speculation "an integral part of the industry," then will it not follow that if modern industry continues in evolution until the factor of risk is eliminated, that speculation will no longer be an integral part of it? In other words, when the element of risk is removed by the Equity System, then speculation will not only be unnecessary, but it positively will be impossible.

3. Again we will say that since the broker and the speculator were the direct result of the "factor of risk" in industry, that class will pass from the scene when the risk in marketing farm crops no longer exists because of the definite and reliable Equity System.

4. 5. Through the Equity System it is proposed to substitute exact knowledge for chance, and that will be even better than "well equipped intelligence;" to substitute exact knowledge of the supply of crops and the demand for the "calculations" of the Boards of Trade and Exchanges. In the Equity system the real facts regarding supply and demand will be known. There will be no "chance" or "estimate" based on the partial list of facts or unconfirmed rumors. It will be exact knowledge against guessing. Mr. Merrill says that when that point is reached, that is, when one man acquires a knowledge of the real facts, his acts may not be the result of calculation but of exact knowledge, then it is no longer speculation. The basic principles of the Equity System are real facts—exact knowledge. Of the exchange or speculative system, as Mr. Merrill said, "The basic principles are that of taking a risk after a speculation based upon all known conditions."

6. With the Equity System established, there will not be as much risk in marketing farm crops, as there is now in the business of making and selling farm implements, or oil, or coal, or any other such commodity. Mr. Merrill would have been more accurate if he had said that speculation was possible only in products not controlled by the producers thereof. For instance, if the International Harvester Company would make a year's supply of machines and then dump all on the market at any prices others would offer for them, the speculators would be present to buy, and as long as such a policy was continued, harvesting machines would be speculative commodities. And it would be the same way with coal, oil or any other article, regardless of whether it was produced in "enormous quantities" or whether there was a "world demand."

7. So, according to Mr. Merrill, it is not always the factor of risk that makes speculation necessary. He says potatoes are not speculated in on the Board of Trade because they are "perishable," and hay does not enter into the speculative list because it is "bulky," yet these crops are raised by the farmers, sold by the farmers, dealt in by middlemen and finally reach the consumer and are consumed.

Notwithstanding this, Mr. Merrill says in his first article, which was printed in June 1st number of this paper as follows:

If it were not for this invaluable service (the collection of data of the world's receipts and shipments of grain, the supply in all primary markets of the world, the visible supply in store and afloat, the quantities involved in the export and import movement, etc.) the farmer would be completely at the mercy of an unscrupulous factor, who might tell him that the crop yield of Europe was tremendous, that the price of grain in consequence was rapidly

(Continued on page 15)

A GREAT NEW OFFER

TO EVERY READER OF UP-TO-DATE FARMING

These two illustrations of Post Cards shown here are part of a set of ten New De Luxe Flower and Motto cards just off of the presses. They are printed in many colors with gold trimmings. Each card contains a beautiful picture, a charming flower and a fine verse but all different. Each card is of absorbing interest.





I WANT TO SEND A SET OF THESE LOVELY NEW CARDS TO EACH FAMILY TAKING UP-TO-DATE FARMING, AND I WANT EACH ONE TO SHOW THEM TO HIS FRIENDS AND TELL THEM WHERE HE GOT THEM. I HAVE A SET FOR YOU IF YOU DID NOT SEND ALREADY.

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THIS IS MY OFFER

Send me only 5 cents (6 cents if stamps) as a guarantee that not more than one person in your family will send and I will send the full set at once and

ANOTHER GREAT SURPRISE

You will know what it is when you get your De Luxe Flower Motto Cards.

If you want to be the first one in your neighborhood to be the proud possessor of these new cards, fill out the coupon and send as soon as you have read this.

J. A. EVERITT, Editor, Up-to-Date Farming, Indianapolis, Ind.

..... THIS IS THE COUPON .....

J. A. EVERITT, Editor: July 1.

Please send the set of ten new De Luxe Flower and Motto post cards and "Another Great Surprise" as advertised in July 1, Up-to-Date Farming. I send 5 cents (6 cents if stamps).

My name .....

My address .....

This is to certify that no member of my family has sent for this set before.

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Illinois Disgraced

A state is responsible for its legislature because those who compose that body are chosen to that position by the people, expressing their choice by means of the ballot. No one can be a member of the legislature who has not thus been made the choice of a majority of the voters of his district. This is true of the other states as well as of Illinois, and therefore, a disgraceful legislature is a disgrace to the state.

It cannot be denied that recent revelations show that Illinois has had a disgraceful legislature—possibly several of them—and the heading to this article is fully justified. Illinois has disgraced herself in her choice of legislators. We would not intimate that Illinois is by herself in this respect. Other states at other times have had disgraceful legislatures, proving that their voters also had disgraced themselves in the men for whom they cast their ballots.

The Illinois legislature to which we refer, in addition to the alleged and confessed bribery in the election of a United States Senator, seems to have had what they called a "Jackpot", a sum of money that had been contributed by various interests to be used in procuring votes for certain pending measures, the residue to be finally divided among those who had been instrumental in securing the adoption or defeat of the measures. This is a species and method of corruption not heretofore revealed, and its daring and efficiency are almost startling. An "interest" decides how much the adoption or defeat of a certain measure would be worth to it, and that sum is put into the jackpot. Different interests are thus seeking the adoption or defeat of different measures, and different sums from these different sources and for different purposes go into the jackpot. The custodians of the jackpot, therefore, have before them immense possibilities, each as corrupt as the powers of eternal darkness. The jackpot itself depends upon the accomplishment of the purpose or purposes for which it was contributed. To this end votes for or against the measures must be secured. The amount for final distribution depends upon how cheaply those votes may be had, and makes every corrupted legislator an active agent for the corruption of others. The wonder is that such a system does not secure the adoption of every measure the "interests" desire and the defeat of every law that would be good for the whole people. That may account for its being so easy to secure the adoption of laws conferring special privileges, and so hard to get laws to benefit the masses. Other legislatures, and even Congress, may also have "jackpots."

Sworn confession concerning the Illinois legislature, we are informed by the press, name, among others, the following contributors to the jackpot: The saloon and liquor interests, $100,000 The Illinois local option law makes the voting township or precinct the unit. This enables farmers and others residing outside of incorporated villages and towns to defeat saloons in towns and villages that might otherwise vote for them. A measure was before the legislature to so amend the law as to make incorporated towns and villages the unit and exclude the overbalancing outside vote. If the figures given are correct, the liquor interests thought the adoption of the amendment would be worth to them $100,000. To the honor of the legislature, and we would always give honor where honor is due, there were not enough members for sale to the liquor interests to carry the measure, and it was defeated.

It is also alleged that the corporations desired a law more favorable to them, or conferring upon them certain additional special privileges, and to secure it contributed $35,000 to the jackpot. That measure was adopted by the legislature, but it was vetoed by the governor, which may account for the bitter fight that was made in some quarters upon Governor Deneen.

A measure in which the Steel Company was said to be interested is alleged to have brought $80,000 into the jackpot, and several bills requiring various safety appliances for the protection of miners, it is alleged were contributors also, in the latter cases for the defeat of the measures.

These deplorable conditions in illinois, and perhaps equally deplorable elsewhere, cannot be given a partisan effect, for, at least in the state named, the dominant parties are both involved, and the remedy must be sought in the ranks of the conservative masses. It is true those masses are responsible for the men in the legislatures, but the methods of politicians are deceptive, and it is safe to say that not one citizen in a hundred would have voted for the boodle legislators had their real characters been known.

May not these same voters be as easily deceived again? Perhaps so. But it behooves them to be more independent, to be less subservient to the partisan bosses, and not so much the slaves of party. A party slave is a corruptionist's tool, and we appeal to the farmers, the most conservative class of our voting population, to pay more regard to candidates than to party. This does not involve the formation of new parties or the repudiation of old ones, but it does involve the defeat of corruptionists whether brought forward by party leaders or pressed to the front by privilege seeking institutions. To be effective farmers must be united. They must organize and cooperate in other things as well as in business.

You Owe Me $2.50

APROPOS of who gets the excess in the present so-called high cost of living, the Woman's National Daily tells of a Salem, New Jersey farmer who had two fat hogs that would make more meat than he wished to keep for his own use, but he could not spare all of them. Like a truly up-to-date farmer, he wished to keep the best for his own family. He therefore sold the two hogs to the local butcher, with the agreement that the butcher would sell back to the farmer the hams and shoulders. The hogs were butchered and the hams and shoulders were returned to the farmer, whereupon the farmer proposed a settlement. "All right," said the butcher, "you owe me $2.50!" Counting the hogs at the price paid for live hogs, and the hams and shoulders at the retail price for such pieces, the hams and shoulders came to $2.50 more than the whole hogs had cost!

"Here, we take it," says the paper from which we quote, "is a hint regarding the high cost of living which brings actual conditions directly home to every farmer. He became a consumer after selling the hogs, and had to pay more for the uncured and unsmoked hams and shoulders than he received for the whole hogs. This little example in arithmetic is not so great a surprise to the men and women of the city. They know that the restaurant man sells the loin or porterhouse cuts of beef at as great a price as the farmer gets for the entire steer. It is this way all along the line. The patron of the restaurant, be he city man or farmer, pays ten cents for a baked potato, fifteen cents for two eggs, and seventy-five cents for a porterhouse steak. The housewife pays prices only comparatively lower for food before it is cooked.

But the farmer does not get the money. A little of the excess goes to him, it is true, though not a just proportion if the price charged the city consumer is based upon the law of supply and demand. But it is not, and there comes the rub. The middlemen, the packer, gets it. In the case of the Salem butcher the packer didn't get the big profit, because in that somewhat isolated case the hogs didn't pass through the packing house. But the butcher based his charge for the hams and shoulders upon the price fixed by the packers, a price designed to wring the last possible dollar from the consumer.

"The incident emphasizes the necessity for practical co-operation between the producer and the consumer. The price to the consumer might be reduced fifty per cent on many articles of food and the farmer still sell them for more than he now receives. The load now is unevenly and unfairly distributed."

MUST BE SOME ACCOUNT

VARIOUS means have been discussed for aiding the farmers. We have largely confined ourself to the doctrine of controlled marketing, believing that if farmers as a class would assert their manhood and act together to control the prices of their products so as to always receive reasonable reward for their labor, they would so far be arbiters of their business as to be independent of other conditions and exigencies. And so they would be; but it must be admitted that there are some farmers who are little account. They lack energy, resourcefulness, enterprise, the common element of "push," and they possess none of what some disgusted ones have called "get-up-and-get." Farmers of that kind would be not much account no matter what opportunities or advantages were placed in their reach. Col. Tarrey of Missouri, who it is said owns 10,000 acres of land that is mostly cultivated by tenants, may be a little severe in the rules he observes in the employment of tenants when he said:

"But they must show they are some account before I will give them a chance. Some people are just no good, and it is a waste of time to fool with them. I won't lend a team to a man who hasn't had enterprise enough to get one of his own. I tell men I expect them to tote even, and if they are the right stuff they do. Yes, co-operation is a great thing."

Our own modest experience tallies well with Col. Tarrey's. There are some who have so little spirit you never can do enough for them. In fact, the more you do for them the more they expect you to do. We want farmers to be energetic, self-reliant and progressive. Such farmers, whether tenants or landlords, are always ready to meet you half way, and may be depended upon to gladly join in any true movement for the general uplift of the farmer and his calling. They are the ones that deserve everything they get. And they will get everything they deserve.

Up-to-Date

BAD LEADERSHIP

LESSONS may be drawn without saying evil things of people. For instance, the tremendous advertising, the extravagant advertising, of the late rather farcial so-called farmers' meeting in St. Louis, was not wise even from a practical standpoint. Claims of millions of members for the societies mentioned in connection therewith were freely made, and the almost guaranteed attendance did not stop short of six figures. Of course these unwarranted statements were made by the press at the behest of the promoters, but the promoters got their cue from the society leaders. It was bad leadership. The attendance so far below the claims and assurances showed the farce of it all. The claims of membership were just about as extravagant and untrue as were the claims of the members that would attend the meeting. After it is all over, both press and public understand it. Such extravagant pretentions are not good leadership. They react.

THE GIRL OF THE GOLDEN WEST



"Land, Child! How You Have Grown!"

FIGHTING FOR FREIGHT REDUCTIONS

WE are just as much in favor of equity in freight charges as we are in the price of farm products, and whenever railroad rates are too high we would have them reduced; when they are too low, shippers should be entirely willing that they be increased.

But producers often devote energy that is much needed for other things in fighting transportation companies without very definite knowledge as to whether the rates charged are reasonable or not The first charges that must be met as the products leave the fields are the charges for the transportation, and when the farmer finds himself with an inadequate return it is easy to believe that too much was taken by the railroads. The Florida fruit growers, for instance, have long been fighting the railroads, and they have profited little thereby, because they have failed to look beyond the railroads to see the extortionate profits piled up by the city dealers, which must necessarily make low prices to producers in order that the excessive profits may be added and still have prices that consumers can afford to pay.

Growers of citrus fruits are not alone in this misdirected fight. It extends to hay and grain growers, and even to the shippers of live stock. We are not saying these rates are never too high; but we urge farmers to so organize that they may intelligently study these things, so they can look beyond first charges when necessary and see where the excessive drains really are. The thing of most importance to farmers is to do business in a business way; to control the marketing of their own stuff; to become a factor in their own price-making, and then they can complacently allow the other fellows to fight over the charges that are added beyond the fields. We will cheerfully risk the proper adjustment of all these things if the farmer will put himself in proper position to secure equitable prices for himself.

MUSKRATS A FARM CROP

THE United States Department of Agricultural advances some strange doctrines, and, as recently declared by a distinguished professor in one of our leading State agricultural schools, sometimes makes us appear ridiculous in the eyes of other people. As is said also by one of our leading independent publications, the Department does not confine itself to agricultural affairs, but issues "bulletins on subjects which do not pertain in the least to agricultural." These bulletins are all called farmers' bulletins, and the latest of the "freaks" is a bulletin on the muskrat, not teaching farmers how to get rid of them, but how much money they could make by going into the fur business, and adopting the muskrat as a domestic animal.

Well, the Department experts are resourceful if not strictly agricultural. We raise sheep for wool and mutton. Sure enough; why not raise muskrats for fur and—? Certainly. The bulletin says the Indians highly relished the muskrat as an an article of food, and— well, why should not their fastidious and enfeebled successors do the same and grow fat and strong like the Indians?

Happily the bulletin does not ignore the destructiveness of the muskrat; the damage he does the rice planter in the South, the lily grower in private grounds and public parks, the tidal meadows along the Atlantic, and to mill dams and ponds and reservoirs everywhere, but with characteristic enterprise, the bulletin teaches how to trap the litle fellow, and how valuable he may be made as a fur bearer, and a possible buster of the meat trust. This would be a dull old country without our Department experts.

A BILL THAT DESERVES WATCHING

CONGRESSMAN Crow of Missouri, has introduced a bill in congress "to prevent trusts or combinations from controlling the market value of merchandise, produce or commodities." The bill, it is claimed in dispatches, from Washington, strikes the high cost of living at a vulnerable point, and is receiving serious consideration.

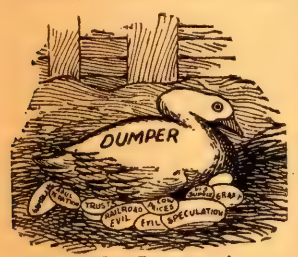
The bill will be boosted as one to prevent traders from combining and putting prices and profits too high, and this feature will be used to make it popular with the people. But the real intent of the measure is to prevent farmers from co-operating to secure fair and equitable prices for farm products. The primary purpose of the bill, it is admitted from Washington, is "to prevent the fixing of minimum retail prices for specified articles." When that bill becomes a law, if it ever should, farmers will be compelled, under penalty, to accept for their stuff whatever prices the market manipulators may offer. They will not dare to agree with their neighbors as to what prices they will or will not accept. We appeal to farmers to not be deceived. Often guns are aimed at them which seem to be pointed elsewhere. The surest way to prevent unfair legislation is to organize and be in a position to speak as a body representing the great American industry.

All people need convincing before they will act. But even then some must be coaxed and others driven. With no class of people is this truer than with farmers when they are wanted to do the one thing necessary to secure their industrial freedom.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

VERY hot weather with insufficient rainfall has prevailed over much of the country since our last report. An exception however is found in the East where excessive rains have fallen. Crop conditions are irregular. While the hot dry weather is favorable to hay making and harvesting it is a serious menace to spring wheat and corn and other growing crops. Cotton has improved.



What the Dumper is hatching

Texas has harvested a fine crop of wheat and Oklahoma's crop is also excellent. Kansas' and Nebraska's crops are better than was thought possible some time ago. Yet the winter wheat crop is irregular and it will not be a bumper one. The oats crop still gives promise of breaking all former records.

Wheat visible decreased some more and is now but little more than for the same time in 1908 and 1909. The corn visible is nearly double what it was in 1908 and 1909. Oats visible increased moderately, indicating liberal marketing in anticipation of a big crop.

Wheat prices are lower, the greatest decline was in St. Louis, about 12 cents. The price of corn is lower in Chicago than in any other market that we quote, but not much changed from two weeks before. Oats also is about the same as two weeks before. Interest centers on what will be paid farmers for new-crop wheat. When good Texas and Oklahoma crops seemed sure, millers in Kansas City put the price of flower down 75 cents a bbl. Whether the prime object was to force the price of wheat down or not, it had such an effect. After the dumpers dump and the millers load up it will be just as easy for them to advance the price. In many places (in the central territory) it is thought farmers will not sell much wheat below $1.00, but there are other places where buyers are going to try to buy at 80 to 85 cents. Our advice is to not sell for less than $1.00 at the delivery station.

A dispatch from Maine says that thousands of bushels of potatoes have been destroyed because there was no market at remunerative prices, and many Southern growers, of early potatoes, have lost money because of the low prices in the North. Peaches from Texas, Georgia and other Southern sections are being marketed. The crop is large, and the complaint is that some markets are glutted and prices too low. the same complaint is heard of some other produce from the South now reaching Northern markets. This condition, it appears, will force producers to adopt the Equity System of marketing as we have advocated.

The Department of Agricultural estimated the value of all farm products for 1909 at $8,760,000,000. On the strength of that estimate, James J. Hill said that the value for this year, 1910, might reach the almost inconceivable total of $9,000,000,000.

But the value will depend more on the price per unit than the yield, and if prices continue receding, or even remain at the present level the total value will not be as much as last year notwithstanding the acreage is larger and the yield may be as much. The value of all farm crops in 1899. (U. S. census report) was $4,739,118,752, not much more than half the value in 1909. But the extra value was not so much because of greater production, as because of higher prices.

VISIBLE SUPPLY

The visible supply of wheat in the United States by Bradstreet's report of June was 20,068,000 bushels. That was 3,720,000 bushels less than two weeks before; 1,634,000 more than a year before and 736,000 bushels more than two years before.

The visible supply of corn on the same date was 12,563,000 bushels. That was 489,000 bushels more than two weeks before; 6,153,000 bushels more than a year before, and 7,242,000 bushels more than two years before.

The visible supply of oats on the same date was 9,784,000 bushels. That was 883,000 bushels more than two weeks before: 123,000 bushels more than one year before, and 1,629,000 bushels more than two years before.

The visible supply of barley on the same date was 2,826,000 bushels. That was 11,000 bushels more than two weeks before; 538,000 bushels more than one year before, and 1,121,000 bushels more than two years before.

COTTON

The aggregate world's supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending June	10, 1910	*June* 3, 1910	*June* 11, 1909
American	1,707,541	1,839,453	2,761,733
Other kinds..	1,127,000	1,154,000	878,000
Total	2,834,541	2,993,453	3,639,733

Price—New York, June 22: Middling upland, 15.05c; middling gulf, 15.07c. The price is about 35c per cwt. lower than two week before.

CLOSING PRICES OF CASH GRAIN

CHICAGO—Wheat, No. 2 red, $1@$1.02; two weeks before, $1@$1.05. Corn, No.2 white, 63½@64c; two weeks before 63½c. Oats No. 2. white, 40¾@41c; two weeks before,39@39½c

ST. LOUIS—Wheat, No. 2 red, $1.01; two weeks before, $1.13@$1.14. Corn No. 2 white, 65@65½c; two weeks before, 60¼ 60½c. Oats No. 2 white 40c; two weeks before, 39¼@39½c.

KANSAS CITY—Wheat, No. 2 red,96c@ $1.05; two weeks before, 99c@$1.04. Corn, No. 2 white, 65@65½c; two weks before, 63½c. Oats, No. 2 white, 34@37c; two weeks before, 37@39c.

CINCINNATI—Wheat, No. 2 red,$1.05@ $1.06;two weeks before, $1.08@$1.11. Corn No. 2 white, 67@67½c; two weeks before, 61@62c. Oats, No. 2 white 42@42½c; two weeks before 39c.

NEW YORK—Wheat No. 2 red, $1.05; two weeks before, the same. Corn, No. 2 white, 68¾c; two weks before 66@67c. Oats No. 2 white, 44@45½c; two weeks before, 43@45c.

MINNEAPOLIS — Wheat, No.1 hard spring, $1.15; two weeks before, $1.09⅝. No. 1 Northern spring. $1.12½@$1.14; two weeks before. $1.06@$1.08.

FUTURE GRAIN PRICES

Chicago grain future closed, June 23rd, as follows:

WHEAT—July 97⅝c;September, 97⅛c; Dec. 97⅞c. Two weeks before, 95½c, 91¾c and 91¼c respectively.

CORN—July, 58⅞c; September, 60½c; December, 58¼c. Two weeks before, 59½c, 60c and 57¾c respectively.

OATS—July, 39¼c; September, 38⅝c; December 39½c. Two weeks before, 37⅛c, 35⅝c and 36c respectively.

CHICAGO PRODUCE MARKET

June 23, 1910

OLD POTATOES—There was no material change. Demand tame. A few cars selling at 10@15c per bushel. There is some stock on hand that holders would be willing to sell for freight. Receipts are falling off.

Arrivals by cars, with comparisons, as follows:

	This week.	Last week.	Last year
Monday	46	35	35
Tuesday	32	30	35
Wednesday ..	16	18	10
Thursday	10	27	12
Total, 4 days	101	110	67

NEW POTATOES—The undertone of the market was weak on both white and red stock. Trading was very light. Receipts were estimated at about twenty cars. Offerings appear to be ample for the present. Really fancy red stock is scarce, the offerings being ordinary to good in quality. The Southern white stock is nice, but on account of increased offerings of late and slow trade, prices have ruled lower. The market was as follows:

Per bu. Tex. or La., red, fancy..	$ 88@ 90
Good to choice.....	80@ 85
Very small or in poor condition..	60@ 75
Barrels, Virginia, white.....	2.30@2.40
Carolina, white	1.75@2.00
Kentucky, white, as to size..	1.75@2.00
Small barrels, Virginia, white..	1.90@....

Corn No. 2 | HAY—Offerings small and demand good for all grades. Timothy hay steady, with offerings moderate.

Price—Colce timothy, $16.00@$16.50; No. 2 timothy, $13.50@$14.50; prairie hay, choice, $14.50@$15.00. The price of timothy hay is from $1.00@$1.50 per ton lower than two weeks before, and the price of prairie hay is about 50c per ton lower.

BEANS—Pea beans are held firmly by country holders, which causes them to be steady on this market. Demand is very light. At this season the price of beans usually goes down, but it has not been so this year as yet. Red Kidneys are much higher.

Price—Choice hand-picked Pea beans, $2.35@$2.40 per bu.; prime, $2.23@$2.28; mediums, nominally about the same as Pea-beans. The price of Pea-beans is about the same as two weeks before. Red Kidneys, poor to choice, $3.75@$4.00. Two weeks before the price was $3.10@$3.25.

EGGS—Trade is good and the demand is for strictly fresh-laid, promptly marketed lots and these sell all right. Stale eggs and lots which show a good many shrunken eggs and those possessed of a strong, musty flavor are slow sale and cover an irregular range of prices, depending on how bad hey run.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

Monday	14,916	16,495	16,124
Tuesday	23,552	22,460	20,774
Wednesday ...	19,108	13,842	14,520
Thursday	12,419	13,491	12,482
Total	69,995	66,288	63,940

Prices—The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 15@ 16½c; two weeks before, 14½@16c. Ordinary firsts, 16c; two weeks before the same; prime firsts, 16½c; two weeks before, 18½c. Eggs packed for storage, quiet and quotable 19¼@19⅞c for firsts; two weeks before, 19c.

BULLETINS

Many of the bulletins issued by the Department of Agriculture at Washington and by the various State experiment stations constitute the most valuable farm literature printed. We wish our space permitted us to make liberal extracts from them, but usually it does not. Our readers can get them free by applying as below:

In all cases address to "Agricultural Experiment Station" unless a different name is given.

UNITED STATES Department of Agriculture, Washington—Circular No. 63, Methods of Legume Inoculation. Bulletins: No. 403, The construction of Concrete Fence Posts; No. 398, Farm Practice in the Use of Commercial Ferterlizers in the South-Atlantic States; No. 400, A More Profitable Corn-Planting Method.

(Continued on page 5)

UP-TO-DATE FARMING

Production and Marketing

WEEDS AND FERTILITY

WE all urge farmers to fertilize their lands, and we could not do less and be true to progressive agricultural. But fertility means weeds as well as crops. The weeds are setting now for the final stand among the corn, and in the stubble fields they are asserting their sway. The richer the ground the more weeds. The richness must be maintained, but the weeds must be overcome. In the stubble fields the rag weed predominates. If these fields are not to be broken they should be pastured as closely as possible. Cattle and sheep eat rag weeds and are benefitted by it. If the fields are to be seeded again this fall, break them as early as possible, before the weeds can make seed.

Weeds are very apt to show themselves in the pastures, and their manifestation there is an indication of a scarcity of grass. It is a good thing in the early fall to run a disk drill over such pastures and seed with a mixture of clover, redtop and timothy. Weeds have been effectively crowded out in that way and the pastures very greatly enriched. And that is not a bad treatment for weedy meadows. About the time for the early fall rains to begin seed pretty thoroughly with a disk. What does a little seed count against a fresh, thickset meadow? Never surrender increased fertility to a weed crop.

LAND VALUES

LAND values almost all over the country have increased enormously during the last few years. We know a farm of 240 acres in Southern Illinois that was bought 25 years ago for $5 an acre; it would now sell quickly for $60 an acre. The sale is reported of a farm in Missouri at $125 an acre that 8 years ago was bought for $50 an acre. Other sales are reported s follows: 180 acres for $18,300, 40 acres for $4,000; 199 acres for $21,000; 560 acres for $34,600; 160 acres for $12,400; 240 acres for $22,000; 120 acres for $16,800.

Land values measured in dollars must necessarily increase, and owners cannot afford to let them decrease in value when measured in fertility and surface washing, rotate the crops, use every possible element of fertility, and treat the lands with the judgment and care that other things of like value are treated.

GOING TO BUILD?

Then you are interested in securing your millwork, lumber and building supplies at the lowest figure. Ever think of ordering by mail? Many are doing this, with perfect success, and saving money. The Gordon-Van Tine Co., 1857 Case St., Davenport, Ia., make a specialty of handling farmers' orders, and have issued a most valuable book of plans for building. Write them for information, and they will send you any one of their numerous catalogs free.

LOW WHEELS ON THE FARM

The advantages of low wheels are so many that it is hard to enumerate them all. For use on soft ground, for hauling hay and bundle grain, for saving the public roads during thawing weather, and by saving labor in loading the wagons thus equipped, there is nothing that will take their place. If you have not a set of these wheels now, write to the Electric Wheel Co., Box 54, Quincy, Ill., and ask for their proposition.

SOLDIER APPROVES OF UP-TO-DATE

Editor Up-to-date Farming:

I have just been reading the latest issue of your paper, which just arrived, and I write to tell you I think it a very interesting paper, and one that is of great benefit to all farmers.

I cannot claim to be a farmer, having just returned home after an absence of eight years, part of which was spent as a soldier in the United States army in the Philippines. Later I was connected with the electric railway in Honolulu. But I am now staying here in Virginia with my father who is a subscriber for your paper, and I think I enjoy reading it as much as he does. I will be pleased to exchange post cards with any of your Cadets of Equity that would like views of Washington, D. C.—F. C. Banghman, Vienna, Va.

Every Country Dweller Should Have This Free Book

The Goulds Mfg. Co.,95 W. Fall St., N. Y., have just issued a book entitled, "Water Supply for the Home." It contains a mine of practical information, presented so clearly that anybody can grasp it. Anybody may have a copy free, postage prepaid, upon written request.

As the edition is somewhat limited and the demand is likely to be quite large, it will be well to file your request without delay.

THE GRASSHOOK

When our great grandfathers were strong young men, the sickle or grass hook was an important farm implement, but it is not found on the farm now. Its descendant, however, is useful about the farm home, or even about the home in the village. Grass and weeds will grow about the home where they are not desirable, and no simple little machine comes handier in cutting them than the crooked grass-knife, the counterpart of the old sickle. The farm wife may use it, and so may the boy or girl. It is always ready if kept sharp, and weeds or grass frequently cut are easily cut. It is not designed for the entire lawn; that must depend upon the mower; but the corners and unapproachable places, make the grass knife a handy and much needed implement about the home.

READ AND THINK

Three hundred million acres of land is a pretty big body of land, or it would be if it were all together. It is said that farmers still own that much timbered land in this country, but it is in the form of wood lots, and the country is richer for it. Preserve the wood lots.

—o—

On most farms there are more or less waste lands. If you can't make anything but waste lands out of such places, set a tree or two there—trees that the larger they grow the more valuable they will be. Sometimes waste lands are swampy places or sloughs of stagnant water. Drain them, no matter what it may cost.

—o—

Never be afraid to learn. Farmers ought to know more than the work in which they are immediately engaged and the thinngs that directly surround them. Be broad minded. The world is big, and it is full of activities and responsibilities.

—o—

These are busy days. And they are not all at work on the farm. Think of the busy days in politics. John Quincy Adams said "no man's vote is is lost which is cast for the right." That is true, John Quincy, but how shall we know which is right? That is more of a problem than it looks like it ought to be. The prejudiced man thinks no way is right but his. The party slave thinks nothing is right but his party. The ignorant man thinks whatever he hears last is right The politician proves that whatever he or his boss wants is the right thing to vote for. So there you are. Where is the right? It is a problem. Think it out.

—o—

Does the farmer know that he is the biggest man in the bunch? He sure is. He don't own the railroads; nor the ships; nor the mines; nor the factories; nor the banks. But he owns everything that is to eat or to wear. If it wasn't for what he owns before anybody else owns it, nearly all the trains would stop, the ships would rot in the harbors, there would be but little use for the products of the mines, the factories would have nothing to work up, and the packing houses wouldn't have fat enough to grease their machinery. He's the biggest man in the bunch. Aint it queer that he plays like he's the least?

—o—

"What thou doest do quickly." If there are any improvements to be made about the farm, or in or around the home, do not put it off from year to year. Do it now so you can enjoy it and profit by it. Going in debt for home and farm conveniences and improvements is justifiable. The use of such things in thrifty families is worth more than the interest. Do you realize that thirty years is longer than most families enjoy a home? Ten or fifteen years is longer than many families remain unbroken. If something is needed to make the work more successful, or the family more comfortable and happy, get it.

WHAT THE TELESCOPE REVEALS

(Concluded from page 4)

COLORADO, Fort Collins—Bulletins No. 149, Carrying Range Steers Through the Winter and Sugar Beets for Fattening Steers; No. 153, Agricultural Products Shipped into Colorado in 1909; No. 145, Dry-Land Farming in Eastern Colorado; No. 151, Ration Experiment With Lambs and Self Feeders for Hay; No. 154, Alfalfa Studies; No. 155, The Fixation of Nitrogen; No. 152, Two Common Orchard Mites —The Brown Mite and the Red Spider; Special Number of "News Notes." Growing Sugar Beets.

CONNECTICUT, New Haven—Ninth annual report of Experiment Station.

ILLINOIS, Urbana—Bulletin No. 145, Quantative Relationship of Carbon, Phosphorus and Nitrogen in Soils.

INDIANA, LaFayette—Newspaper Bulletin. No. 161: Dodder in Relation to Farm Crops.

IOWA, Ames—Bulletins: No. 113, The Value of Stock Foods for Swine; No. 114, Plum Varieties.

KENTUCKY, Lexington—Bulletin No. 147, Common Insecticides and Fungicides With Directions for Treatment of Farm Pests.

NEW YORK, Geneva—Bulletin No. 322, Robber Cows in Dairy Herds.

OHIO, Wooster—Bulletins No. 193, Silage for Fattening Cattle; No. 155, Silage vs. Grain for Dairy Cows. Extension Bulletin No. 8, of Vol. V., A Lesson in Judging Siome and Root Stem and Leaf.

TEXAS, Austin—The Panhandle Lands Estacado of Texas.

VIRGINIA, Blacksburg—Bulletins: No. 188, The Use of Lime-Sulphur Sprays in the Summer Spraying of Virginia Apple Orchards; No. 187, Lime for Virginia Farms.



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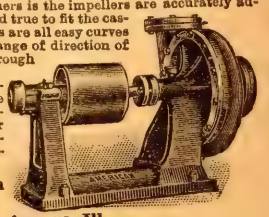
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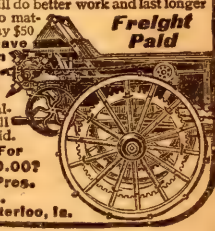
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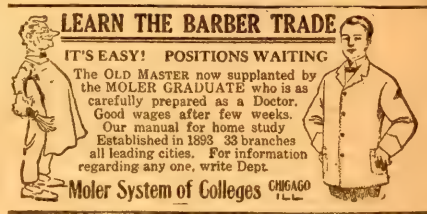
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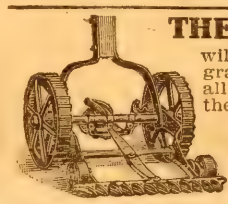
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INCONSISTENCY OF FARMERS

FARMERS are inconsistent, but not more so, perhaps, than other people. When prices are down either for stock or produce, the farmer loses interest, and does not care whether he has the stuff or not. He makes a crop because it is his custom, and he has nothing else to do, but he does it in an indifferent sort of way. As for stock, he does not care to get any more, and he is constantly watching for an opportunity to fool away what he has.

But let prices take a flight upward, especially if they become abnormally high, the average farmer is at once on the jump. He can't get enough ground in cultivation, and he wants to rent two or three fields from his neighbors. If it is live stock, he is scouring the country over to buy. What he practically gave away the year before, he is now eager to pay a high price for.

We like energy and activity, a rush to keep up with the procession, but we want judgment and coolness mixed with it. The best time in the world to accumulate for profits is when prices are low; the best time to sell is when prices are high. Low prices cannot continue long at a time in this country; and abnormally high prices are generally market spurts. The medium is what the prudent farmer works to. When prices are below the medium, and he is short of stuff, he buys; when they are below the medium or normal, and he has a surplus, he sells. He does not lose his coolness of judgment by temporary conditions. Those who stock up when prices are high, are very likely to sell out when prices are low.. And so it goes. Extra high priced pigs quite often grow into low priced hogs; and it is the same way with cattle and horses. Do not be discouraged nor excited. Keep cool.

Present high prices have made farmers nearly crazy, but those who got the real benefit of them are those who held on through the depression of a few years ago. We believe prices will continue good for some time, and we advise raising more stuff and stock, but no not madly hold onto everything, nor with equal madness try to buy everything.

THE CALF AND THE MILK SUPPLY

DAIRY people have pretty well solved the problem of the calf and the milk supply. They veal the undesirable males and they teach the heifers to drink the cheaper milk instead of bringing them up on the rich milk they draw from the udder.

But this problem is not yet solved on the farms. It may be said to be partially solved by the veal market, but that is a mistaken solution, as it is every year reducing the proportionate live stock supply, and in the end reducing farm profits.

The old farm ways, however, practiced yet to some extent, were not good. To bring up the calf on the cow's best milk, giving it enough to make it grow and do its best, was wasteful and made a dear calf and a costly heifer or steer. The other way of starving the calf to save the milk was cruel and unprofitable, as it made a stunted calf and a low priced steer, or an undesirable cow—held the live stock standard low and brought it constantly lower.

The calf, then, must be early taught to eat even on the farm. If there be a surplus of skim milk it is not at all difficult to teach the calf to drink it. The latest practice is to let the calf remain with its mother two or three days. That gives nature the needed opportunity to properly set to work all the life functions. Then remove him from the cow, let him get quite hungry, and introduce him to his pail of milk. His mouth will scarcely be wet with the milk before he learns to swallow.

Whether there be skim milk or not, the calf may soon be taught to eat. To nip tender grass is almost as much a natural impulse as it is to draw milk from the teat. All that is necessary is to have the tender grass for the calf to run on—a fresh grass lot. And it will not be long until it will eat meal or even shelled corn; and then the trouble is over. In raising calves thus, we prefer to let them suck a little at milking time until the eating habit is well established. Then they may be taken from the cow altogether. But the calf must not go hungry. There must be good, tender pasturage, and that must be supplemented with meal, bran or grain.

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We are in receipt of a book issued by the Auto-Fedan Hay Press Co., 1542 W. 12th St, Kansas City. It is not an advertising book, but a really valuable book for the farmer, written by E. P. Ross. It tells of various methods of curing hay, and of the advantages of baling hay. It's free to readers of UP-TO-DATE FARMING

M. W. Savage, proprietor of the International Stock Food Co., Minneapolis, Minn., reports that his company has done a larger business the past year than ever in its history—making an increase in sales of 41 per cent, which necessitated the addition of 897 new employes.

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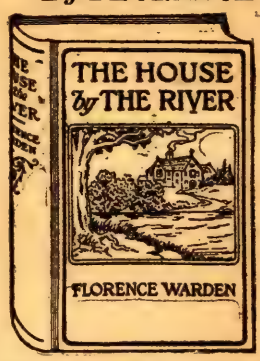
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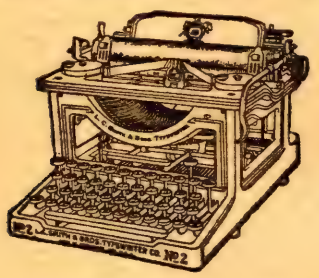
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STUDY THE FEEDS

TO maintain life and sustain and build up the animal body, the food or feed must contain protein and the carbohydrates. Protein is the substance that builds up the body—the muscles, tendons, ligaments, tissues, skin, hair, and it helps with the bones. Every part of the body except the fat is made of protein with some mineral matter and water. And so is the milk.

It is evident, then, feed not rich in protein is not enough no matter in what quantity given. All the grains contain protein, carbohydrates and fat, but grain alone is not a balanced ration; it does not contain enough protien for milk-giving and growing animals, and it contains too much fat except for fattening animals. The farm grown feeds that are strong in protein are alfalfa, the clovers, cowpea hay and soy bean hay. The carbohydrates feeds are sorghum, corn fodder, corn stover, the straws, and corn itself, and also timothy and millet. The protein feeds answer fairly well for a complete feed in themselves, though they are better for being lightly mixed with the carbohydrates. The carbohydrate feeds alone will not do for growing stock nor for animals giving milk. For instance, fodder, or timothy hay for that matter, is not sufficient alone, nor is timothy hay and corn good feed for milch cows; there is not enough protein.

THE GOOD AND BAD COW

POOR cows are expensive at any price and one of the things that should be kept uppermost in mind when making selections is that every cow that is bought must be cared for twice a day for 365 days in the year. It takes very little longer to feed and milk a cow that will give 10,000 pounds of milk in a year than it does to milk and feed the cow that gives only 3,000 ponds, and the former will eat only a little more feed. It is not a difficult task to figure what the vast difference is in the value of these cows.

MAKE MORE MONEY

Thousands of dollars are being lost by the farmers of the country, simply through their neglect to utilize the waste spots on their farm. Nearly every land owner in the wooded sections has a piece of land with many stumps in it; if he'd just get a good stump puller, and clear the whole lot of stumps out, the increased acreage would pay for it the first year. If you are interested in getting one of these machines, write to the Zimmerman Steel Co., Dept. 38, Lone Tree, Ia.

Directum, 2:05¼, has, although dead, made a new world's record. The "Black Demon," as the famous stallion was known on the country's race courses, was in a class by himself when alive, and his owner has made him unique in death by having his body mounted. He will still occupy a prominent place at his home on M. W. Savage's breeding farm near Minneapolis.

DO YOU BELIEVE IT?

The team is sweaty and tired when you come in at noon, especially under the harness. As sure as you live, it will pay to take the harness all off, and then give the team a brushing or currying before putting it on again. It won't take long, and it won't add much to the man's labor. It may add years to the usefulness of the team.

—o—

Do the men or the women do the farm milking? Whichever does, it don't pay to fool with an unprofitable cow. If the men do the milking, the no-good cow is more apt to be taken note of and turned adrift than if the women do it. The latter consider the ownership of the animal a part of the men' business, and they continue to strip and pull for their small quantity of milk. Dispose of the unprof--itable cows, no matter who does the milking.

—o—

It doesn't pay to waste feed even in fattening an animal. All the animal can eat and properly assimilate or turn to good account, is enough, and all that will be profitably used. It is a mistake to keep feed constantly before an animal. But feeding must not be neglected; it must be done regularly.

—o—

How are the spring pigs getting along? The first three months of a pig's life measures the profits that are to be derived from it later. Keep it hustling, growing—good pasture, clover or alfalfa, if possible, (ordinary white clover so abundant in the Mississippi valley, is good,) and some grain.

—o—

Don't be in to big a hurry to breed young stock. Be patient. Too early breeding stunts the animal, and the coveted offspring has not the strength and stamina that is desirable and profitable.

—o—

Farmers are sometimes hard up for a little money. Any how, do your best not to sell the good cow. A really good milch cow is a treasure. She is not very easy to get, and she ought to be kept.

—o—

It is very doubtful if the work team is given water frequently enough. It is often impractical to water between morning and noon, or between noon and night; if it were, it would be a good thing to do it. But the team should always be watered on starting to work in the morning (as long after feeding the corn as possible) and immediately after coming in from work at noon, and also at night. At these times always water before feeding grain. Water again on starting to work afternoon. It is all right to water after feeding hay, but not too soon after feeding grain.

—o—

The colt is worth money, and a nice pile of it. Whether a yearling or not yet a weanling, it deserves care and attention. If a yearling, this is its first independent summer. Nature is rapidly teaching it how to get its living, but it should be where there is plenty to eat and good water to drink, and its pasture and lot fences should be such that it may not learn there is a possibility of getting anywhere except where it has been placed. If the colt is a suckling, it is not the best way to take it to the field wander across it almost as many times as the mare does. We have seen young colts thus made so tired they could scarcely walk, and they are often seriously injured thereby. Better keep them in a comfortable stall where there is no possibility of their hurting themselves in any way. If they could be given a chance to suck in the middle of the fore and after noons for a few days, it would be well. If not, do not let them suck too much for a while when the mare is brought in at noon and night.

—o—

Hungry horses, like hungry men, are likely to eat too fast. The latter should have sense enough not to do it; the former must be helped not to do it. On that account, it is better to feed ear corn than shelled corn, and if threshed oats constitute a part of the feed, feed a few ears of corn with it.

As land values increase and farmers and dairymen come to more fully appreciate the worth of green feed in winter, the silo grows in estimation. Eastern farmers who keep cows or young stock of any kind use the silo more or less, to conserve for winter the value of both green grass and corn. Alfalfa makes an excellent silage, but its peculiar quality of retaining its green food value, as hay, when properly cured, makes its ensiling much less a necessity. Alfalfa hay taken from the mow in February, green, appetizing and nutritious, falls little, if any, short of serving the purpose of silage.—From Coburn's "The BOOK OF ALFALFA."



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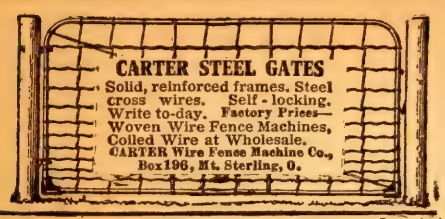
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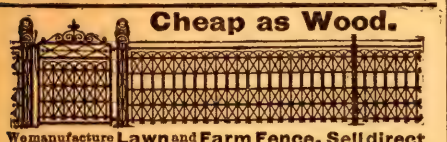
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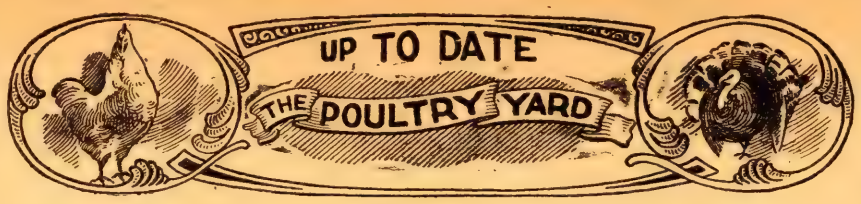
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QUICKLY GROWN BROILERS

THE following is said to have been thoroughly tested for results, and not only tested but actually practiced by a firm of extensive poultry breeders that sell their cockerels as three pound broilers at six weeks old:

Feed the young chicks a mixture of cracked corn and cracked wheat for three days. Then give them a good dry mash, and also feed cracked corn, cracked wheat and hulled oats in deep litter. When about four weeks old add to the feed already mentioned a wet mash once a day, the mash being made of a well balanced dry mash, about half corn meal, mixed up with molasses. Keep grit, oyster shell and clean fresh water constantly before them. It is claimed this system of feeding will produce plump, marketable broilers at six to eight weeks old.

COMMUNITY HATCHING

MRS. Nora Cook of Belle River, Ill., is making the success of her life with poultry this year. She makes no pretentions other than farm poultry raising, but her special success this year may be attributed to what may well be called "community hatching." She never sets less than from three to five hens at a time, and when these hatched, she put all the chicks with one hen, and reset the other hens, having fresh broody hens to take the place of the ones that went with the chicks. She did not, however, reset the same hens more than twice in successino. At the second hatching she broke up the hens not needed for the chicks, and soon had them laying again. Of course the hens were given large broods to care for, but they were provided proper facilities for doing it, and losses were very small. She began last spring with 60 hens, and by the first of June she had 500 healthy, growing chicks.

Mrs. Cook is not alone in this method of hatching. Mrs. B. F. Hislop of Milford, Ill., tells the Reliable Poultry Journal that she wants at least half a dozen hens to start setting at the same time. There is no profit, she says, in setting one hen at a time. She would rather set a dozen, as a bunch of chicks are much more easily handled when of the same age. This points to separate runs for the different ages. There isn't a doubt but setting several hens at the same time simplifies the farm poultry business.

TURKEYS PROFITABLE

MRS. A. C. McPherson of Ohio, thus expresses her opinion as to the profit there is in turkeys:

For the amount of money invested in breeding stock nothing pays so well as the turkey. Their value as scavengers is recognized by farmers generally, ridding the farm as they do of insect pests. The young poult eats much less than the young chicken of the same age, but requires more care the first weeks of its life.

Then she gives this excellent advice as to raising them:

The most important part of turkey raising is to give just the care needed by the young poults and at the right time; in this, a year or two of actual experience is better than knowledge gained from all other sources. Of one thing we are assured, all success depends upon the proper care given during the first weeks of their lives. It is of prime importance that the hen mother be entirely free of vermin. She should be dusted with Persian insect powder twice during incubation and before she is placed with the poults in her coop she should receive another thorough dusting. More deaths are caused by lice among poults than any other cause, except it be dampness.

CROWS OR CACKLES

Hatching time for this season is over, and it is a waste to keep the old roosters unless for some special good quality. The best use to make of them is perhaps the table use. They are not worth much in the market, but this time of year they are tender enough in the stew or potpie.

—o—

Young roosters may be sold to good advantage as soon as the sex can be certainly determined. And the price is so good now that the gain in weight during the next few weeks will scarcely add to their value. The feed they consume will be practically lost, and their room may just as well be saved to the pullets and younger chicks.

—o—

If the fowls are closely housed, ventilation must not be neglected. There must be fresh air in the poultry house nights. And it is especially important to keep the poultry house clean. Droppings, if at all abundant, are likely to become offensive, air polluting and disease breeding.

—o—

We can scarcely advise farmers to ship their own poultry, especially dressed poultry unless they are making a prominent specialty of it. If raising poultry only in the ordinary farm way, better let the dealers take the risk of shipment.

—o—

The poultry yard needs shade now, and the orchard emphasizes itself as a good place for poultry. The trees furnish a welcome shade, and the fowls make due return by destroying millions of orchard enemies. The two make a splendid combination.

—o—

Mid-summer poultry feeding is more of a problem than during any other part of the year. The chicks are of all sizes, and the larger are sure to trample upon and crowd out the smaller. This time of year is felt the need of netting runs for the different ages and sizes. Such runs enclosed with inch mesh netting are not so very expensive, and they greatly simplify poultry raising. With such runs, setting several hens at a time, each may have chicks of the same age, and there is nothing to interfere with them, or to prevent their doing their best.

—o—

Keep up a warfare on lice and mites. It is easier to hold them in check than it is to destroy them after they get possession. Movable perches are a great help now. While one set of perches are in use the other may be out in the weather, and a change every few days keep them clear. This, supplemented by a frequent cleaning and white washing of the walls and permanent portions of the house, gives the pests but little chance.

—o—

Dead chicks or fowls, or bad eggs, should be taken entirely away from the poultry premises. The most healthy flock is the one from which all filth is carefully kept. It is a wonder that some people can raise chickens at all.

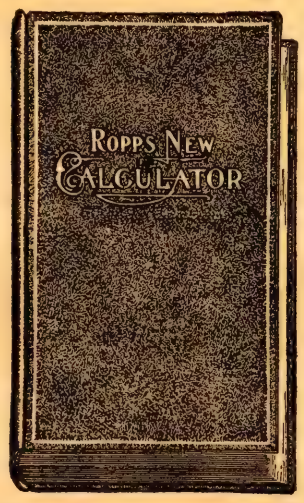
DUCKS FOR PROFIT

IN all my experience with poultry, says C. J. Griffin of Wisconsin, I find the raising of ducks the most desirable as far as profits are concerned. Then they are easier to keep. Some people think it absolutely necessary that they have a swimming place for ducks to be successful with them, but that is a mistake. Undoubtedly they will do better and cost less if they have access to a pond, but a tub or tank set in the ground and kept full of water brings good results. The vessel may be shallow, but it must be set even with the ground and kept full so that the ducks can get in and out at pleasure. And it should be cleaned out frequently.

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J. A. EVERITT, Editor,
Indianapolis, Ind.



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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

SHOW IT TO YOUR NEIGHBORS

A lady in sending in a list of subscriptions writes: "I showed the paper to my neighbor, and he at once subscribed, saying he did not know there was such a farmer's paper." This is the secret of the success of this paper: Those who learn of its high and noble purpose will subscribe for it. If the work of this Department, and the principles of EQUITY appeal to you, take the subscriptions of your neighboring farmers at 50 cents each for two years. IT IS A DUTY OWING BY ALL.

Sincerely,
SAMUEL ARMSTRONG HAMILTON, Garden Editor.

EXPERIMENT STATION NOTES

These bulletins should be in the hands of all farmers who have need of them.

U. S. DEPARTMENT OF AGRICULTURE, Washington, D. C.
"A more Profitable Corn Planting Method," Farmer's Bulletin No. 400. I give this here as it also applies to the planting of corn in the garden. Every farmer should have it.

MONTANA STATION, Bozeman.
"Fruit Tree Planting in Montana," by an expert, and of equal value to farmers in other states.

NORTH CAROLINA STATION, Raleigh.
"The Home Coming of Fruits and Vegetables." This bulletin should be in the hands of every farmer's wife in the land.

OREGON STATION, Corvalis.
"Commercial Fertilizers and Insecticides." "Spraying for Peach Fruit Spot." "Insecticides and Fungicides." These are all standard bulletins of their class.

VIRGINIA STATION, Blacksburg.
"The use of Lime-sulphur sprays." "Lime for Virginia Farms."

THE GARDEN

The Season's Crops

The inclement season which extended over all of the spring and into the first week of June all over the eastern portion of the country, broke all records. There was great interference with garden operations, and prices of garden truck have been high and the quality of the goods not as high as under normal conditions. It has prevented any "dumping," while the gardeners are just about as well off. This question will not be satisfactorily settled until all farm and garden crops are marketd by the EQUITY SYSTEM.

Some Garden Tests

Now that mid-summer is here there is an opportunity for the enterprising and discriminating gardener to make observations and tests to show the results of the past season's work in the up-building of the garden soil.

Did you give your garden any special manures during the past season? If so, was it for any special crops, or just for the general betterment of the soil? Did you give it a heavy dressing of stable manure, and with what object in view? Did you give it a liming? Did you plow under a soiling crop last summer, and, if so, what kind?

All of these questions are susceptible of being answered now that the frutition of the garden is at hand. The general state of the crops as compared with the time before any or all these improvements were made, should be noted, in order to get an idea as to the value of the experiments, or the extent of the good they did to the soil along the lines intended.

There is no doubt of the fact that the greatest lack in the garden soils in America, speaking as a whole, is LIME. There is too much "sour" soil. Roberts in his splendid book, "The Fertility of the Soil," says, that not over one-quarter of American soil has ever been limed. Lime is especially indicated in soils which are deficient in humus, in which it is desired to grow a legume to replace the deficient humus content.

If the foliage of your garden crops shows, in spots, that sickly yellowish-green shade, so conspicuous among the vivid green where the soil shows an alkaline re-action, it is a sign that the soil is "wearing out"—as some persons put it. The art of liming is not commonly practiced as it should be. There is too much "spotted" work about it. Lime should be thoroughly air-slacked, and fine when distributed over the soil, and not worked in deeper than is necessary to get it just under the soil top.

More About Packing

I have been studying very closely this season the matter of the packing of garden products, and some of the things about which I wrote in the last issue have come to pass. I have seen some new packages of the kind described, of the size for family use, and the dealers tell me they sell readily. One dealer intends to arrange with a market shipper to send him packages of vegetables assorted in family quantities, which will go to the consumer unbroken, and will contain enough for half a week's supply of the standard vegetables, and will change with the seasons. Every enterprising gardener should look into this. It is worth a trial.

Some Facts About Humus

Humus is that portion of the soil which is composed of dead vegetable matter which has become decomposed into cellular tissue. It is the home of the soil-bacteria, which are necessary to the correct action of the soil. At the present time almost every one knows how to put it there, but some seem not to know that it will not stay ther indefinitely, but must be constantly renewed.

This is especially true of the garden which gets, generally, the best of "clean culture," with the result that much of the humus is burned out of the soil. The cleaner and better your soil is worked the better your crops will be and the sooner the humus will be exhausted. It is the good gardener who needs to watch this matter, as his soil will be the first to become exhausted.

THE SMALL FRUITS

Cane Fruits

The season of the small fruit is upon us, and this year seems to have been a good one for all excepting the strawberry, which in many sections was damaged by the excessive rains. The cane fruits have never been finer. The blossoms of the blackberry were larger than I have ever seen them—they looked like rhododendron blooms. This is a sign of very large berries.

I want to speak a word about these very same cane fruits. The habit of many growers has been to do nothing in the patches after the crop is off until winter, or late in the fall, when the old canes are cut out, and the rubbish burned.

This is a mistake. It is of course the way Nature does, but we must improve on Nature if we desire better than wild fruits of such kinds as the blackberry and raspberry. The bearing canes should be cut out as soon as the crop is off, and all burned, and, as a precaution, give a spraying of Bordeaux mixture. The cultivation should continue as often as necessary to keep down the weeds throughout the season. You want to get vitality and bearing power into the new canes which will bear next season's crop.

THE ORCHARD

Thinning Fruit

The fate of the orchards for the present season is by this time settled. As you sowed so shall you reap. If you sprayed regularly, carefully, and correctly, there is no reason why you should not have a good crop of choicest fruit, but if you did not the crop may be anything, depending on circumstances.

The last thing for the up-to-date orchardist to consider is that of thinning, as that comes after all the spraying is done. There is nothing to be made by allowing the trees to bear an over-load of small inferior fruits, due to their tendency to over-bear, especially when well treated. It is better to thin out the fruit and allow the trees to bear one third less of choice large "extra fancy" fruit.

It is not best to thin out while the fruit is very small, as it is not as easily done and more damage is likely to be done to those allowed to remain. An apple crop should be the size of crab apples before the thinning is done, and then do it with a determination to keep your scheme of thinning—one out of every three to come off.

The Dust Mulch in the Orchard

In sections of the country where there is likely to be much drought, the dust mulch should be allowed to remain on, and should be kept up all summer. It should be understood that there is an enormous quantity of water evaporated from the leaves of the trees, and the fruit requires a great lot for its perfection, and this must all come from the ground about the trees, in which the roots lie.

In order to supply this constantly decreasing moisture, the entire available supply must be conserved all the season, by shallow cultivation, after every rain. The vitality of the trees and the quality of the crop largely depend upon the regular supply of moisture furnished to the trees. One of the advantages of the open-head system of tree growing is that it allows the rain to fall in closer to the trees than the pyramidal head, which acts like the shingles of a roof, and sheds the water to the outside, supplying the outer fringe of roots alone.

If the orchard is well drained, the water supply cannot be too great, as is well attested by the success with irrigated orchards in the northwest.

Insect Pests

There have been many complaints this season of the ravages of the different species of aphis, especially the black cherry-aphis. This seems to be due largely to the damp cool weather, which is favorable to their development, which obtained all over the country in the early part of the season. I have personally examined the cherry tres in a number of locations and can say that they are covered with aphis in incredible numbers. Try kerosene emulsion, and they will disappear—there is nothing better.

THE FLOWER GARDEN

Imperative Work

There is much work which is imperatively necessary to be done in the flower garden in mid-summer. The annuals will by this time be becoming seedy, and will need to be freshened up, and if it is desired to have the hardy perennials to bloom until the end of the season, they must have treatment toward that end at once.

There used to be a time when the flower garden reached its zenith by the middle of July, and rapidly went to pieces and was anything but a "thing of beauty" for the rest of the season. Many persons renew their bedding plants in mid-summer, using plants especially grown in flats for that purpose, and by this means when those set out in early summer are past their pristine beauty, they get a change of garden scheme, and their flower beds look well all the time.

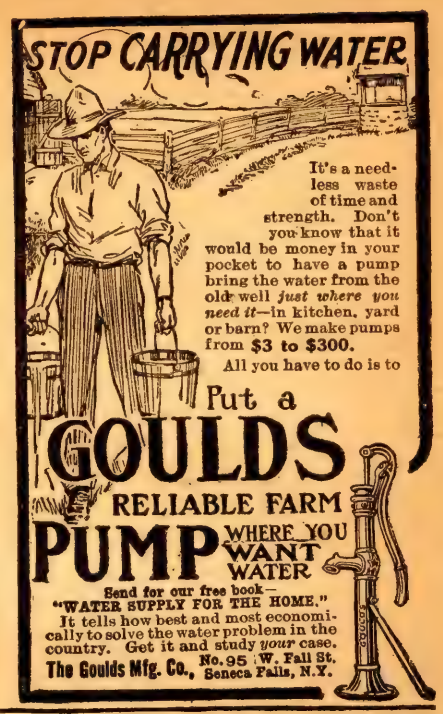
But this cannot be done with the hardy plants. The phlox will have been blooming since the last week of May, and should be cut back one third, giving a dressing of fine bone-meal, and well watered, if the season be dry, and soon they will be in full bloom again, which will last until killed by the frost. The hardy pinks and Sweet Williams should have similar treatment, and about all the soil should be kept well worked, shallow, unless it is intended to mulch them, heavily in anticipation of a prolonged drouth, which is better.

BEES

There is money in bee keeping if it is managed properly. Bee keeping is being carried on with both profit and pleasure by many thousands of people in all parts of the United States, and while, as a rule, it is not the sole occupation of those who pursue it, there are many places where an experienced bee keepr can make a good living by devoting his entire time and attention to this line of work.

The average annual honey yield per colony for the entire country should be from 25 to 30 pounds of comb honey of 40 or 50 pounds of extracted honey. The money return to be obtained from this crop depends entirely on the market and the methods of selling the honey. If sold direct to the consumer, extracted honey brings from 10 to 20 cents per pound, and comb honey from 15 to 25 cents per section. If sold to dealers, the price varies from 6 to 10 cents for extracted honey and from 10 to 15 cents for comb honey. All of these estimates depend largely on the quality and neatness of the product. From the gross return must be deducted from 50 cents to $1 per colony for the expenses other than labor, including foundation, sections, occasional new frames and hives, and other incidentals, not, however, providing for increase.

These figures, however are based on a system of good management. Bee keeping to be profitable requires hard work, knowledge and experience. Much study is required to insure success. It is unwise, therefore, for the average individual to undertake extensive bee keeping without cosiderable previous experience on a small scale, since there are so many more details which go to make up success in the work. Learn the ways of bees, how to handle them, and what kind of equipment is best. Then begin on a small scale, make the bees pay for themselves and for all additional apparatus, as well as some profit, and let the business grow gradually.



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THE HOME ON THE FARM

THOUGHTS THAT COME

The Snowflake

By John P. Stelle

THESE hot summer days it is easy for the mind to turn to winter, to the season of the snowflake that was formed away up in the regios of lighter air, amid the whirl and worry of conflicting elements, fit emblem of the strife that makes life what it is. Once its home had been the earth, perhaps the trodden mud by the wayside. It was but a drop of water then, of water mixed with baser elements, and no one saw it but to shun it.

But even in its lowly abode, it heard the call to the higher and better, and, mounting the shining stairs of a sunbeam, it rose to float a speck of vapor in the great ocean of the Above. Then the Northwind blew its icy breath, and what had been a particle of muddy water was transformed to the beautiful star, the feathery flake or the crystal flower, that gently floated downward to show its new beauty to the things of earth. As if to hide its former unsightly abode, and bestow its own beauty upon the less beautiful, it called its heaven born companions about it, and soon was formed a pure and dazzling cloak for bog and meadow, for hill and valley, for mansion and hovel. Having become beautiful itself, it sought to make all else beautiful.

How beautiful the flake thus formed far above us, formed not amid scenes of beauty and peace, but of strife and turmoil. How beautiful but how fragile. A breath and it is gone. The warm hand held out to welcome it destroys it. The careless heel grinds it into the mud, and its beauty is no more.

What a picture of life, not of human beings, perhaps, but of character. How humble is the beginning no matter whether in palace or hovel. Then ambition's upward flight, the struggle with counter currents, the strife against unfavorable surroundings, the overcoming of enviornment, and the final crystalization in the freezing winds, it may be, of adversity. Then with a halo of beauty the whole world is surrounded, and the spirit of sweetness wooes the humblest and most uninviting.

But how quickly may the breath of scandal rob it of its beauty, the mistaken hand of misguided friendship blight it, or the cruel heel of gossip crush it in the mire. Formed in a conflict above the lower thoughts of life, possibly in a painful strife between right and wrong, a breath despoils the victory, and hope that gleamed through darkness as the sun piercing a cloud, is crushed.

Oh that men and women would learn the lessons Nature teaches, and live in love as God is love. When an unkind thought springs up in the heart, and an unkind word mounts to the lips, remember the snowflake and its so easily destroyed beauty.

USEFUL HINTS

The following hints, most of which we glean from exchanges, are worth remembering:

After using a wringer for colored clothes, rub with a soft cloth saturated with parafin oil. This will remove all color from the rollers, leaving them as white as snow.

Don't make up the baby's bed on the floor. The air is most penicious near the floor, the purest in the middle of the room.

Salt fish are quickest and best freshened by soaking in sour milk.

All grained wood should be cleaned with cold tea.

Turpentine will remove ink from white woodwork.

Polish oilcloth with kerosene. Just a little should be used.

When an oven is too hot place a pan of cold water in it to cool it.

Do not clean windows while the sun is shining on them if you do not want them to look smeary.

Salt thrown on soot which has fallen on the carpet will prevent stain.

For a burn or scald apply at once a paste made of baking soda and water and cover with a linen cloth. If the skin is broken, leaving the place raw, apply the white of an egg with a feather. This almost immediately forms a delicate coating, excludes the air, and gives instant relief.

Carefully sifted coal ashes is a good



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I want to give you an opportunity to earn during your vacation period one of my electrically operated moving picture machines. An entirely new invention, requires no oil lamp, causes no dirt or smoke, is easily operated. All that is necessary for the operator to do is to connect the five cell battery which is furnished with each machine and it is ready for the show. It throws a picture about 3 x 5 ft. as clear and distinct as any you see in a moving picture show for which you pay all the way from 5 to 25 cents for admission.

Could you spend a few hours of your vacation time to better advantage than to earn for your friends and your own amusement one of these machines? Just think the fun you will get out of it. Besides you can turn it into a business proposition by asking a small admission of your friends. They will gladly attend your show and come again when you are ready to perform for them.

These machines I am giving away free to any boy or girl who is energetic enough to carry out my easy plan which I will explain fully when you send me your name and address. Write today and be the first one in your neighborhood to earn one of these machines. Address,

JULIA HOLICK,
P. O. Box 155, C CHICAGO, ILL.



GOLD WEDDING RING FREE

Send for 10 packages of our beautiful silk and gold embossed post cards to distribute at 10c each. Return us the $1 when collected and we will send you by return mail this very fine 14K gold filled heavy band ring, not the cheap kind. Address H. F. MOSER, 332 Household Bldg., Topeka, Kan.

DEAFNESS CURED

"I have demonstrated that deafness can be cured."—Dr. Guy Clifford Powell.

The secret of how to use the mysterious and invisible nature forces for the cure of Deafness and Head Noises has at last been discovered by the famous Physician-Scientist, DR. GUY CLIFFORD POWELL. Deafness and Head Noises disappear as if by magic under the use of this new and wonderful discovery. He will send all who suffer from Deafness and Head Noises full information how they may be cured, absolutely free, no matter how long they have been deaf, or what caused their deafness. This marvelous Treatment is so simple, natural and certain that you will wonder why it was not discovered before. Investigators are astonished and cured patients themselves marvel at the quick results. Any deaf person can have full information how to be cured quickly and cured to stay cured at home without investing a cent. Write today to Dr. Guy Clifford Powell, 6622 Bank Building, Peoria, Ill., and get full information of this new and wonderful discovery, absolutely free.

Don't Wear a Truss

FREE



STUART'S PLASTER-PADS are different from the painful truss and being self-adhesive they hold the rupture in place without straps, buckles or springs—cannot slip, so cannot chafe or compress against the pelvic bone. The most obstinate cases cured in the privacy of the home. Thousands have successfully treated themselves without hindrance from work. Soft as velvet—easy to apply—inexpensive. Guaranteed in accord with National Drug Law. We prove what we say by sending you Trial Treatment absolutely FREE

TRIAL OF TREATMENT
Write to—STUART PLASTER-PAD CO. Block 59 St. Louis, Mo.

DIABETES

The most valuable result of 20 years' work at Civil Engineering in the Tropics was the important discovery of a simple, harmless herb that is an actual specific for Diabetes. To prove that it will give immediate relief in the most aggravated cases, I will send a 50c. package (one week's supply) for only 25c

Write me today and see how quickly Diabetol Herb will build up the system. Booklet and diet list free. F. M. Ames, Box 74, Whitney Point, N. Y.



PARKER'S HAIR BALSAM

Cleanses and beautifies the hair. Promotes a luxuriant growth. Never Fails to Restore Gray Hair to its Youthful Color. Cures scalp diseases & hair falling. 50c, and $1.00 at Druggists

Cancer Remedy At your home without a knife. Easy applied. Price $2.50. Sent on receipt of postoffice money order. Suss Mfg. Co., Dept. E., Visalia, California. Please send to some afflicted.

BED WETTING Cured. 25c pkg. FREE C. H. ROWAN, Dept. 72, P. O. Drawer 794, Chicago

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

polish for silverware, dishes, metals and pottery.

Treatment with sage tea is said to be good to keep the hair from falling out. Rub into the scalp twice a week.

After putting in the dumplings keep the vessel closely covered until they are cooked. They will then be light instead of clammy.

In dressing chickens, a little baking soda rubbed on after singing makes it easy to dispose of the pinfeathers.

Camphor applied to the ring made on polished furniture by setting a water glass on it, will remove the ring.

A broom may be made to last much longer by dipping it into hot suds once a week, and hanging it broom downward to dry.

Clean the straw matting with slightly salted warm water.

NEIGHBORS

MAN is a social animal. He may not be gregarious, but he loves to mingle with his fellows. Cheerless indeed would be the farm home where there were none to call and none to be called upon. The sunlight of farm life, therefore, is good neighbors. There may be people, other homes in sight all around, but no neighbors. The neighbor is he who studies the needs and wishes of others, who is ever ready to encourage and help, who has a warm hand that gladly opens to another's wants, a heart that beats for another's good, a soul that feels for other's sorrows, eyes that weep when others cry, and lips that smile when others laugh.

The husbandman reaps what he sows. The good neighbor always has good neighbors. The venerable Quaker was right. Listening to the moving acquaintance express her delight at getting away from such a lot of bad neighbors, not one of whom she loved, but all of whom she was glad to leave, he gravely remarked: "Sister, thee is moving into just such a neighborhood, and thee will have bad neighbors there." The next evening another acquaintance moved, and this time regret was expressed at leaving such good neighbors, all of whom she declared she loved, and at parting from whom she wept. "Weep not, sister," said the Quaker, thee will find good neighbors at thy new home.

That is so true. "Like begets like." The good neighbor always has good neighbors. So if you want good neighbors be a good neighbor yourself.

FIGHT THE FLY

We urge our Up-to-Date People to fight the fly. We do not take fright at all the "doctors" say of germs, etc., but the fly is a pest, and if useful to the human family at all, it is only as a means of enforcing cleanliness. The premises must be kept clean. Flies breed in filth, and having their origin in filth they cannot be other than filthy themselves.

For instance, flies cannot eat sugar, and yet, if permitted, they swarm in the sugar bowl. And they go there for something to eat. Syrup is a favorite food for them, and they spit in the sugar to make syrup of the sugar and their own spittle. What they leave—but who cares to use the sugar after the flies have been in the bowl?

It is neither a pleasant nor healthy home that is fly infested. Destroy their breeding places. Keep them out of the house by the careful use of screens over the doors and windows. Keep everything clean within. Find a means to destroy those that get in in spite of you. There are various fly poisons, and then there are sticky fly papers.

THE FARMER'S AUTO

A convincing piece of literature is that just issued by Sears Roebuck & Co., describing their automobiles. It contains photos of their machines "in action," and letters from those who know it. If you are thinking of buying a car for your use in the country, a more reliable one cannot be secured at anything like the price. Write for catalog 65U41.

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble.

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 55, Sta. F, Toledo, Ohio.

From Bakery to Farm

Soda crackers are a long time on the road to the country store, and from there to the country home. But

Uneeda Biscuit

—no matter how far they journey, never become travel worn. As you open their moisture proof protecting package you always find them not only store fresh, but bakery fresh—clean, crisp and whole.

A package costs 5c.

(Never Sold in Bulk)

NATIONAL BISCUIT COMPANY

THE LIFTERS AND LEANERS

(By Ella Wheeler Wilcox.)

There are two kinds of people on earth today.
Just two kinds of people, no more, I say.
Not the sinner and saint, for 'tis well understood
The good are half bad and the bad are half good.
Not the rich and the poor, for to count a man's wealth
You must first know the state of his conscience and health.
Not the humble and proud, for in life's little span,
Who puts on vain airs is not counted a man.
Not the happy and sad, for the swift flying years
Bring each man his laughter and each man his tears.
No; the two kinds of people on earth that I mean
Are the people who lift and the people who lean.
Wherever you go, you will find the world's masses
Are always divided in just these two classes.
And oddly enough, you will find, too, I ween,
There is only one lifter to twenty who lean.
In which class are you? Are you easing the load
Of overtaxed lifters who toil down the road?
Or are you a leaner, who lets others bear
Your portion of labor and worry and care?

"He said he intended to marry a peach, but she married another fellow."
"How did it affect him."
"He became dumb; that is, he wa-s peechless."

"Doctor, there's a growth in my mouth which I wish you would arrest."
"Yes, madam, but I am not an officer."

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

Tell them you saw the ad in Up-to-Date Farming

KITCHEN SET FREE

(22 INCHES LONG)



Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort, Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

COUPON

D. W. BEACH, BOX 502
Spencer, Indiana.

Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

Name.....

P. O.....

St. or R. F. D..... State.....

I Was Deaf 25 Years
Now I Hear Whispers



G. P. WAY, Inventor

with my artificial Ear Drums in my ears. I never feel them—they are so perfectly comfortable, and no one sees them. I will tell you the true story of How I Got Deaf—and How I Made Myself Hear. Address your letter to me personally at 99 Adelaide St. This is important, as letters sent to other addresses often do not reach me.



Medicated EarDrum Pat. July 15, 1908

I stand back of every claim made for MY drums.
GEO. P. WAY, 99 Adelaide Street, DETROIT, MICH.

BOYS and GIRLS



If you want a genuine Shetland Pony and Rig, **write to me today** for my **new** and the **easiest plan** you ever heard of. Don't send any money, just a postal, and **say you want a pony. I will be glad to help you.** Address
P. YOUNG, Agent
Pony Farm, Box No. 755
Springfield, Ohio

20 Beautiful Post Cards 10c
No Two Alike — Latest Designs

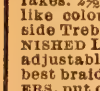
Lovely assortment of 20 Artistic Birthday, Friendship, Good Luck, Roses and Flowers in exquisite colors, all for only 10cts. if you answer this ad immediately.
J. H. Seymour, 234 W. Eighth St., Topeka, Kan

$5.00 Per 100 FOR NAMES

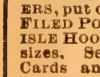
We will send 10 assorted post cards for 10 cents and blanks free for collecting names at 5c each.
HARRISBURG POST CARD CO., Harrisburg, Pa

Extra Fine Post Cards Free

Send 2c stamp for five samples of our very best Gold Embossed Friendship, Flower and Motto Post Cards; beautiful colors and loveliest designs.
Art Post Card Club, 875 Jackson St., Topeka, Kan.



MAGIC NEEDLES RODS, Goldometers, Chronometers, etc., for treasure seekers. Millions of wealth under your feet. Guaranteed the best made. Interesting booklet for 2ct. stamp. **FREE**
P. & M. AGENCY, 119 Elk St., PALMYRA, PA.



Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.
Miners Supply Co. Dept 2 ,Palmyra, Pa

5 Fine POST CARDS Free

Send only 2c stamp and receive 5 colored Gold and Embossed Cards FREE, to introduce post card offer.
Capital Card Co., Dept. 130, Topeka, Kan.

Fishing Outfit FREE

Most popular outfit ever offered. Boys are crazy about it. 22 pieces, best quality, suitable for creeks, rivers or lakes. 2½in. "MAGIC MINNOW", life-like colors, nickel plated propeller spinner, 2 side Treble Hooks, 1 Tail Treble Hook, 1 FURNISHED LINE, near silk, 15 ft., enameled float, adjustable sinker, snelled hook; 1 HANK, 15 ft. best braided line; 3 CLINCHER GROOVED SINKERS, put on or taken off in a second; 10 CARLISLE FILED POINT RINGED HOOKS, assorted; 6 CARLISLE HOOKS, each tied to silk worm gut, assorted sizes. Send 3 two-cent stamps for set of Post Cards and instructions how to introduce The AGRICULTURAL EPITOMIST AND GET FISHING OUTFIT FREE.

D. W. BEACH, Editor, Box 558, Spencer, Indiana

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An intensely interesting story by a famous author, and this is the story that won the fame. The book has three-colored paper cover, containing 173 pages, printed on thick opaque paper, which makes a very attractive book. The story will not only deeply interest you, but it is a master-piece of English. It cultivates the intellect and enlarges and enriches the heart. **It is a book that ought to be in every home, and I am going to offer it as a premium with one year's subscription to UP-TO-DATE FARMING at 30 cents.**

Address all orders to
J. A. EVERITT, Editor,
Indianapolis, Ind.

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

We have so may good letters that we have been unable to print that we know of nothing better we can do in this issue than to print a list of the writers. We at least owe them that much. Their letters are as good as any we have printed, and we would rather print the letters than only the names and addresses of the writers, but since we receive every week more than the department will hold this is all that is left us to do now.

What do you think of the promotion of the Cadets? An institution that grows as fast as the Cadets of Equity grows deserves a step upward. It is natural the first step should be to Pioneers of Equity, a Cadet distinguished, not only as a writer, but as a first worker for Equity; and what is more natural than that the first work should be for the Cadets' champion and favorite, UP-TO-DATE FARMING? It is an easy task that wins promotion, and it is a work that benefits the one that is induced to subscribe and become a reader more than it does us as a publisher or the Cadet that gets the club. Five yearly subscribers at 25 cents each—$1.25. Send one dollar to us with the names and addresses, and that makes YOU a Pioneer of Equity, and gives you the happy consciousness that you have placed a good paper in the hands of five of your friends and enabled them to study the great principles of Equity. Pioneer like, you have opened the way for Equity in that many more homes.

Below we give a surprising list of writers whose letters we have not yet had room to print. All of these Cadets would like to have letters from the others:

Fanny Brown, Bradley, Wis.
Ethel Thomas, Leaksville, N. C.
Ethel Gray, Gravelton, Mo.
Henry Caron, Tilden, Texas.
Esco S. Moyer, Vineland, Ontario, Can.
Lizzie Boatright, Galatia, Ill.
Mabel Blanche Jenkins, Olney, Ill.
Sarah E. Welch, Verndale, Minn.
Jessie Miller, Muncie, Ind.
Hildegard A. Mieth, Hamilton, Ohio.
Nellie Evans, Durango, Colo.
Chloie Speak, Unionville, Mo.
Ethel Bechtel, Dunklin, Pa.
Edna May Rogers, Kress, Va.
Elmer W. Lutz, Bucyrus, Ohio.
Mildred Marshall, Moravia, N. Y.
May Brown, Moravia, N. Y.
Anna Pundt, Casa Blanca, Texas.
Mark R. Canterberry, Link, Colo.
Annie S. Moyer, Vineland, Ontario, Can.
May Petzhold, Round Top, Tex.
Eva Winder, Liberty, Pa.
Florence V. Harbaugh, Lantz, Mo.
Mary Colflesh, Ursina, Pa.
Mabel Colflesh, Ursina, Pa.
Ella Colflesh, Ursina, Pa.
Eunice Steadman, Fingerville, S. C.
Winnie Kuner, Wolf Fork, Ga.
Jean D. White, Boyd, Mont.
Jettie Nash, Holcomb, Mo.
Fay Prather, Hooser, Kans.
Lama Beltz, Ramma, Kans.
Irvin Barkman, Rochester, Ind.
Dean Henry, Sharpsburg, Ky.
Carrie E. Goddard, Tumbridge, N. Y.
Worth Grim, Vandergrift, Pa.
Iva Green, Anchorville, Mich.
Lillian Wenzel, Birmingham, Ohio.
Frank Wood, Wadley, Ala.
Clara Margaret Peper, Goodhue, Minn.
Pauline Moody, Waterbury, Vt.
Josephine Border, Hamilton, Mo.
Olive W. Miller, French Mills, Mo.
Olive Heath, Bainbridge, N. Y.
Ruth Morland, Enden, Mo.
Thelma Bristol, Conneautsville, Pa.
Lucy M. Howell, Carmi, Ill.
Laura Smith, Greensburg, Ind.
Hazel Pollock, Venedocia, Ohio.
Fred Harsch, Ruth, Neb.
W. Sharp Platt, Cynthiana, Ky.
Lloyd Salady, Richland Center, Pa.
Homer Ritchie, Concord, N. C.
Roland P. Sanford, Center, Tex.
Robert Matson, Amhurst, Ohio.
Ross C. Gleason, Fayette, Ohio.
Gladays Michael, Lapel, Ind.
Minnie Wulf, Kennard, Neb.
J. H. Hickman, Deepwater, Mo.
Glee Alleshouse, Sherwood, Mich.
Walter Colglazier, Holyoke, Colo.
Carrie D. Herner, Estey, Mich.
Fern Shellhamer, Vandergrift, Pa.
Rosa Duckwiler, Chandlersville, Ill.
Blanchie Merrill, Dorchester, N. H.
Bessie Durfee, Randolph, N. Y.
Olga Stoneburg, Chokio, Minn.
Pearl Dunlap, Baden, Pa.
Margarite Guignon, Sacket, Pa.
Ellen Kahl, Barberton, Ohio.
George White, Campbell, N. Y.
J. L. Martin, Mathews, N. C.
Pauline Smith, Pawnee Rock, Kans.
Albert B. Young, Manheim, Pa.
Herbert Schmitt, Rossville, Ga.
Hazel Turner, Richmond, Ill.
Leonard Cornahan, Ellismore, Mo.
Lawrence A. Cassady, Troy, Ind.
W. A. Cummins, Byars, Okla.
George W. Stevesson, Cloverdale, Ore.
Nellie Tipton, Marysville, Tenn.
Gertrude McMillan, Alberry Plains, Prince Edwards Island, Can.
Edith L. Fisk, Chelsea, Mich.
Charles M. Cook, Lake City, S. C.
Nellie Cole, Willow Hill, Ill.
Nina Pearl Propt, Albany, Ore.
Nell Donohoe, Decatur, Neb.
Edith Kaltrider, Pinson, Tenn.
Lillian Schroder, Minnesota Lake, Minn.
Green Daniels, St. Ignace, Mich.
Hellen Whitebread, Wapwallopen, Pa.
Mabel Dendy, Sibleton, Miss.
Elma Agnes Esterline, Dunkirk, Ind.
Lola Elliott, Hattiesburg, Miss.
Annabel Fartey, Bedford, Ky.
Maude Rieman, Mullersville, Mo.
George Williamson, Ida, La.
Levi O'Floyd, Granville, Ohio.
Herbert Hanson, Lills, Minn.
Dysart Wilson, Higbee, Mo.
Herbert Halbecker, Haughson, Calif.
Anna Scharf, Amor, N. D.
Haller Chapman, Inwood, W. Va.
Herbert Strickland, Eros, Ark.
Edna E. Hobbs, Olinger, Va.
Connie McVary, Clyde, Tex.
Georgia Burson, Everlyn, W. Va.
Medeline Roberts, Great Valley, N. Y.
Reuben Swenson, Fairchild, Wis.
Mamie Weiser, Mound, Wis.
Florence Jordan, Millboro, Va.
David A. Kern, Cox's Mills, W. Va.
Thomas Turner, Hindsville, Ark.
Ethel J. Hewett, Reed, Ky.
Reptsy Hook, Hardinsburg, Ky.
Nathalie Dominique, Hohen Solms, La.
Clarence Gaudin, Hohen Solms, La.
Kirby Spikes, Grannis, Ark.
Winnie Lee Lively, Horse Cave, Ky.
Lyle Ewing, Otis, Colo.
Beecher McSwain, Kinzie Creek, S. C.
Hazel Bailey, Crookston, Minn.
Ralph Beaber, Rochester, Ind.
Gwendolynne V. Garver, Hinton, Okla.
Blanche Stutsman, Peru, Kans.
Anna F. Peterson, West Brook, Minn.
Marie Peterson, West Brook, Minn.
Mollie Martin, Lott, Tex.
Lucile Meyer, Huron, Kans.
Minnie Murray, Hopkinton, Ia.
Maggie Cole, Cole, Va.
Aramantia A. Pyle, Somerset, Pa.
Etta McCarty, Dunkirk, Ind.
Walter Baird, Hardinsburg, Ky.
Rupert Bozanth, Dixon, Ky.
Birdie Bozanth, Dixon, Ky.
Harry J. Schank, Sharpsburg Sta., Pittsbburg, Pa.
Allen Wood, Logan, Ala.
Sara Cramer, New Lexington, Ohio.
Albert D. Cobbs, Beloit, O.
Gayland Cassell, Edgar, Neb.
Amy Lee, Lyons, Colo.
Pearl Beck, Paxton, Ind.
Robert Duckworth, Live Oak, Fla.
Irene Kulm, Warsaw, Ind.
Lucretia Hoyt, Alma, Mich.
Carrie Cantlehuer, Mt. Carroll, Ill
Albert Jacobson, Wanke, Minn.
Adaline Nelson, Springfield, Idaho.
Thelma Huxtable, Colome, S. D.
Mary Jane Brunker, Brunker, Colo.
Thelma Rathbun, Portland, Ind.
Dutch Everett, Pisgah, Iowa.
Martha Stallings, Rocky Mt., N. C.
Rufus B. Deel, Nace, Va.
Elmer Orr, Boswell, Ind.
Olga Navok, Prague, Neb.
Alberta Wafles, Harbeson, Del.
Wayne Anderson, Lacona, Iowa.
Lena M. Shuandt, Bloomington, Ill.
Nellie May Ray, Devil's Lake, N. D.
Inga Stephenson, Northwood, N. D.
Edith Stotts, Perry, Okla.
Budd Ellenberger, Rossiter, Pa.
Goldie Stotts, Perry, Okla.
Jennie May Weber, Augusta, Ky.
Amanda Fisher, Plainview, Neb.
Leona Stanley, Togo, Ark.
Viola Smeltzer, Seagerstown, Pa.
Rita Smeltzer, Seagerstown, Pa.
Carrie Washburn, West Wareham, Pa.
Clara Duckworth, Live Oak, Fla.
Bernice Sherod, Keosauqua, Ia.
Norma Dye, Orleans, Neb.
Bessie Stryker, Loyalsock, Pa.
Eva Malory, Port, Okla.
Eva Agnes Baker, Sherwood, Ore.
B. F. Carter, Ft. Casey, Wash.
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Elizabeth McCoy, Wilder, Kans.
J. Shartzer, Greely, Neb.
Beatrice B. Blume, Emerson, Neb.
Lucile Thomas, Wilder, Kans.
Georgia King, Newlin, Tex.
Gladys L. Peterson, Edmonds, N. D.
Mattie Ruis, Ellsworth, Mich.
Grace Stryker, Loyalsock, Pa.
Irene Hendrickson, Parlier, Calif.
Ollie Wasson, Matador, Tex.
Josie M. Cheely, Warfield, Va.
Mary Belle Swindell, Fairfield, N. C.
Genie Pridemore, Mayville, Ore.
Jennie Harrell, Norma, Fla.

We must close the list here for this issue. We trust not a single writer will feel discouraged. Each one whose name is given as a Cadet of Equity, and is in direct line to become a Pioneer of Equity, and take rank with the millions who stand for the best there is in human transactions—for Equity in all the business and social relations of life. May the number of writers continue to increase.

COUPON

PIONEER OF EQUITY

Publisher of UP-TO-DATE FARMING
Indianapolis, Ind.

I am a Cadet of Equity and now apply for promotion to a PIONEER OF EQUITY. I comply with the terms of promotion by sending a list of five subscribers to UP-TO-DATE FARMING herewith and $1.00 to pay for them:

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2 .....
Address .....
3 .....
Address .....
4 .....
Address .....
5 .....
Address .....
My Name .....
My Address .....

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We will send you 10 of the prettiest post cards you ever saw if you will cut this advertisement out and send it to us with 4c to pay postage and mailing and say that you will show our post cards to your friends and explain our offer to them. D-223, NEW IDEAS CARD CO., 233 So 5th St., Phila., Pa.

95 cents Post Paid — $15.00 for 95 Cents

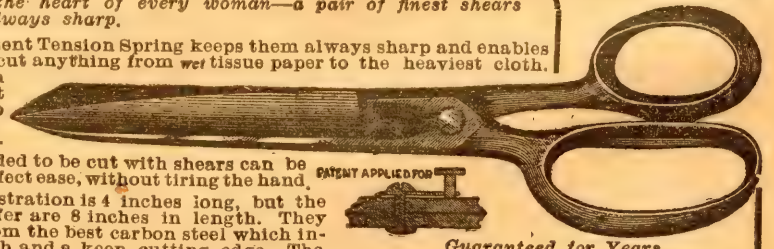


Cut this out and send it to us with your name and address and 95 cts. to pay for postage, packing and cost of this advertisement, and we will send to you by return mail postpaid this elegant Watch and Mdse. Certificates worth $15.00. Certificates can be used at any time in purchase of goods from our catalogue (total value of watch and certificates $15.00), all for 95 cents. The watch is regular gentlemen's size, open face, solid nickel silver plated dust proof case, with genuine American lever movement, stem wind & set & fully guaranteed. This offer is made to introduce our watch & jewelry catalogue, and only one watch & certificates will be sent to each person ordering. Send 95 cents TODAY as this advertisement may not appear again. Satisfaction guaranteed or money refunded. Address
(R. E. Chalmers & Co. are thoroughly reliable and have been established since 1885) **R. E. CHALMERS & CO., 356 Dearborn St., CHICAGO.**

Ever-Sharp Shears FREE

Dear to the heart of every woman—a pair of finest shears that are always sharp.

The Patent Tension Spring keeps them always sharp and enables the user to cut anything from *wet* tissue paper to the heaviest cloth. The tension on the rivet can be set so that any kind of material intended to be cut with shears can be cut with perfect ease, without tiring the hand.



The illustration is 4 inches long, but the shears we offer are 8 inches in length. They are made from the best carbon steel which insures strength and a keen cutting edge. The manufacturers guarantee quality of material and workmanship in every pair.

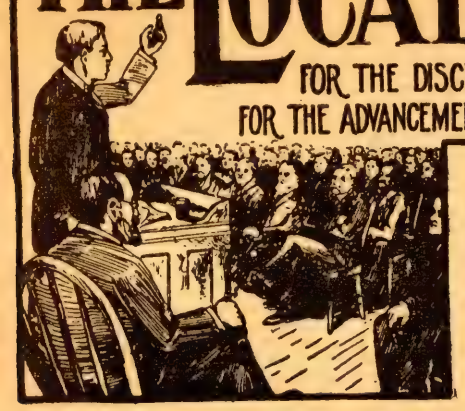
Guaranteed for Years.

OUR OFFER: One pair of these Shears will be sent free for your renewal or a new subscription 2 years for 50 cents.

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THE LOCAL UNION

FOR THE DISCUSSION OF ALL FARM PROBLEMS
FOR THE ADVANCEMENT OF CO-OPERATIVE FARMING



Up-to-Date Farming

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Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

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Vice-President, W. E. Greilick, Traverse City, Mich.
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Nero fiddled while Rome burned. Such indifference was criminal to say the least.

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But what do you say of a gang of people, the head of a farmers organization putting up a scheme to bunko farmers while speculating boards of trade, gambling exchanges and food trusts are fastening themselves on the farmers' backs again?

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Three years ago farmers were practically in control of their crops and price making. Now they represent very little power to control and direct their marketing to compel profitable prices. The evidence is seen in markets every day.

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Why this change?

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The article beginning on this page, "Exposure of an Alleged Farmers Society," explains.

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Any person who has read the last issue of its official paper and knows the facts can get some strong sidelight on the meanness of some human nature. Mr. Everitt had been the benefactor of every one of the men who later joined the conspiracy to destroy him and that resulted in the destruction of the society he founded. But he has triumphed over his enemies and the organization is rising, under a slightly different name, greater, grander and more powerful for good than ever before.

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When Mr. Everitt was forced to appeal to the law to defend himself and save the principles of the Society, he made up his mind to do a thorough job. The suit against the Society has not been terminated notwithstanding the report they sent out. Stop the report. It is a shameless lie.

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In the paper they referred to Mr. Everitt as "a powerful enemy." Powerful in what? In opposing them in their determination to defeat the first practical plan farmers ever had for successful co-operation. Farmers glory in such power.

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People who read the last issue of their paper saw that they complained because Theo. G. Nelson and C. W. Bowne "were arrested for criminal libel and tried before a jury of men who knew nothing about farming and by that jury FOUND GUILTY." Instead of complaining they should thank their stars that the people they betrayed were not on the jury. They are now being tried before a jury of all the farmers and they'll soon hear the verdict.

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The same sheet is gleeful over the fact that two other character assassins, Chas. A. Speer and Garret M. Walrod were fined only nominal amounts. It does not say whether a jury of farmers tried them. **But drive a nail here; they were FOUND GUILTY.** Guilty of what? Robbing a man of his good name; or attempting to destroy his business; of disrupting the best society for farmers the country ever had; of the most contemptible and loathsome crime on the calendar—of criminal libel.

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Mr. Everitt was not concerned about the amount of fine. What he sought was vindication which was accomplished when a jury of 12 men said "you have published lies about this man," "you have libeled him," "YOU ARE GUILTY." He was vindicated when Chas. A. Speer came into court and said "I AM GUILTY," "I know I have libeled Mr. Everitt; "those nasty and bad things I said about Mr. Everitt were lies; I have no defense to make."

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What is a libel? Webster's definition is: **a defamatory writing, a published defamation, a malicious publication expressed either in print or writing or by pictures, effigies or other signs tending either to injure the memory of the dead or the reputation of the living and expose him to public hatred, contempt or ridicule.**

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Reader, you may be sure that Mr. Everitt will not yield one inch but will press his suit until a judgment is secured when he will promptly see that the past menance and the present blight against farmers co-operation to secure equity is removed. Mr. Everitt is fighting this battle for the farmers at his own expense and all the money that gang of scoundrels can bunco farmers out of will not deter him.

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It was not long since some of them

(Continued on page 14)

Exposure of an Alleged Farmers Society in Its Attempt to Bunco Farmers

The following article was written by Mr. Everitt, Editor of this paper and president of the Farmers Society of Equity. This statement is made so there need be no doubt as to the author, or who is responsible for it.

IN 1902 I founded a society for farmers and named it The American Society of Equity of North America. It was founded on the theory that farmers could so market their crops as to always compel profitable prices.

In order that the comparatively new readers of UP-TO-DATE FARMING may understand what follows it is necessary to give a very brief history of the original society and the reason why the Farmers Society of Equity, which all readers know of, was started. I know all my old subscribers will pardon me for referring once more to a subject that must send pangs of regret to their hearts, as it does to mine, when they read all of this article.

The society, as I said, was started in 1902. It was not a capital stock society and had to depend on membership fees and dues to meet its expenses. Being new and its plan different from anything ever tried or proposed before members came slowly at first, while an enormous work of education had to be done.

Suffice to say that during the first four years of its existence the income was not sufficient to meet the expenses, accomplish the necessary education and keep it growing gradually. During these years I met the deficiency and the sum I so advanced to the society was $6,180.00. This was, however, only a small part of what I gave the society and I could have fairly had credited to me two or three times as much for rent, use of my office and equipment, office help, my own services, for which no compensation was asked or given, free advertising, free printing and free literature, etc. In short it took four years to establish the society and the cost, over its income, was $6,180.00.

At the end of four years the society was so well established and its principles and plans had been so well implanted into the minds of farmers all over the country, who followed them, that it was then giving greater benefits than any farmers' society ever did before. Also the receipts were then ample to meet all legitimate expenses and pay off the small indebtedness if it had been continued along the same lines as had been followed before.

When it is considered that every farmer in the country was getting much more for all his crops in 1907 and the society had advanced to a point where it was recognized as one of the great and powerful institutions of the country, the sum of $6,180.00 that I advanced to establish it must be considered a wise investment.

But in 1907 the secretary, who was also a director, and three other directors, being a majority of the board, were not willing to go along the path that had led to such great success. They decided that they must also organize the consumers of farm crops and then bring the two classes together to price the farmers' crops, "to," as they said, "prevent farmers charging too much." I opposed the scheme. They got together a packed convention in 1907, captured the organization and elected officers and directors favorable to their wild cat schemes.

But space will not permit me to tell about that convention, nor how, by underhand methods, they secured a proof of my subscription list, the campaign of slanders and libels, to ruin me and destroy my business so I could not expose them, the arrests, trials and convictions. Parties wanting a full account of them should send for "Walrod's Confession," "A Call to Organize," and "What Shall We Do." They will be sent free.

As I stated the society owed me $6,180.00. Before the unfortunate 1907 convention I did not press my claim, preferring to let the society use its income for further development. Before that time my account was reported at each annual convention and approved and no officer or director ever disputed the claim, but my generosity was frequently commended. But after the 1907 convention, when exhorbitant salaries were being paid to the officers and when it was clear to me that the society was being rushed headlong to destruction, I asked for payment. The new officers, traitors to the farmers, conspirators to ruin me and of course my bitter enemies, because I would not betray my trust in 1907 and join in their impractical schemes, refused to pay the account or any part of it. I then brought suit for $6,180.00 and an additional amount of $17,500 for 35,000 one year subscriptions to members in 1907 that I was not paid for; total, with interest, about $25,000.

For about 18 months they fought the case off but finally they allowed it to be set for trial in October, 1909 in the same week of their annual convention in Indianapolis. I knew I would be at a disadvantage, with many people in the city who would swear falsely, or do anything to cheat me out of a just verdict. So I requested a change of venue which was granted and the case went to Danville, Hendricks county, Indiana.

The case finally came to trial on May 16, 1910, and proceeded for two days and into the third when my attorney was suddenly taken very ill and it was impossible for him to continue. Next day his condition was still serious with no prospect of him recovering for several days. Then, *on my motion, the case was dismissed* with permission to refile it.

The above narative has been preliminary, and to get the right focus on what follows. I hate to publish this, and if I, alone, was concerned, I would pass the incident without notice. But the intent of the people in control of the old American Society of Equity is to continue deceiving farmers and bunco them out of more money. The following lays bare one of the most amazing schemes by unscrupulous scoundrels in the history of American agriculture. The old time Bohemian cats swindlers would die with envy of the people who are again attempting to hold up the farmers in a dark alley, as it were, and rob them. It is their last chance to hoodwink the farmers and transfer a little money to their pockets; a desperate chance, but desperate men will take such .

This is the court entry on dismissal of the case:

The plaintiff's evidence having been concluded, plaintiff now dismisses his cause and is granted leave to withdraw the papers of the cause from the files of the court.

Following was given to the Indianapolis Star by the defendant immediately after the case was dismissed and was printed in the issue of May 20:

After the plaintiff and his son gave testimony, Attorney W. C. Smith (for the defense) moved that the case be dismissed, which was sustained by the court.

Note that this is entirely false. Notice was given at time of dismissal that the suit would be refiled and a correct report of the trial at Danville was promptly printed in each daily paper of Indianapolis with notice that the suit would be refiled, and the suit *was* refiled in the Circuit Court in Indianapolis, being No. 19148, James A. Everitt vs. The American Society of Equity of North America. The court records will show it is for identically the same items as the former suit.

But, notwithstanding all this, the June 1 number of the society's paper issued after the middle of June, under big headlines and at great length and in great detail announces that it (The American Society of Equity) won the suit. With the facts before the reader I will now print some extracts from that paper so the public may see the total unreliability and continued perfidity of the people representing that organization and the desperate strait they have brought themselves to, as follows:

A *The victory just won is of such magnitude that one can not help but herald it broadcast.*

B. *The fact that the society was victorious in this suit with so little apparent effort does not in any sense lessen the importance of victory. In short, victory in this suit means life to the society, while loss would have meant death.*

C *The threatening clouds of possible dissolution are removed.*

D. *Now, when such an important victory is won, we feel it our duty to tell the facts as we are telling them in this issue.*

E. *If all the members of the society could see and know exactly what has transpired at national headquarters they would see that the dusk and chill suggestion of a grave has given place to the light of hope.*

F. *Be sure to send us the names of old members of the society that you think ought to read this issue of the Equity Farm Journal and learn all about the trouble with the former president. Do all you can to spread the good news.*

With the court records before the reader it is perfectly evident that those people have again resorted to downright lying and malicious inventions to deceive the people. Naturally you ask what inducement, what incentive can there be that would cause humans to sink so low? What object can be so alluring that they will degrade themselves to the level of common liars when they must know that the people will find them out? The following from the same issue of their paper under the head, "Relief Volunteers Wanted," explains:

A. *It has been a great hardship upon individual members who have advanced sums ranging from $5.00 to $10.00 and many $500 each, in order to keep the society going * * * Not only those members, but the thousands of others who have paid their dues year after year will glory in the victory.*

B. *This being true, we are therefore, taking it upon ourselves to ask present members and others, now that the society is vindicated to come to the relief of their brother farmers by sending to the National Headquarters within the next thirty days whatever sum of money each can spare from $1.00 up.*

C. *Let us raise a fund of $2,000 with which to make good that much of the cost to defend it in the law suit which it won so gloriously. A nice receipt and certificate of membership in the army of "Relief Volunteers" on paper of good quality that can*

be preserved for generations will be sent to each person who sends $1.00 or more.

*D. Brother farmers don't pinch a dollar in two now when you know the organization is on the right track and that you see things are coming your way. * * **

Who'll be the first one to help?

S. D. KUMP, Sec-Treas. Nat. Union A. S. of E.

THEO. G. NELSON, Sec. Board of Directors, Nat. Union.

Now we understand that the inducement, the object of all the lying is MONEY. Those people see that they have another short respite, probably until next October, before they can be forced into court again and they invented this unholy scheme to bunko the farmers out of a little more money. They know they have absolutely no defense against my claim. J. A. Davidson, one of their officers and one of their attorneys in the trial, admitted as much. Since the suit was dismissed he said that all the merit is on Mr. Everitt's side. As further evidence of merit, during the progress of the trial they made overtures to settle on the basis of one-half my first claim of $6,180.00 if I would give them time to pay it.

But suppose they would defeat this case, how about another suit against them for a much larger sum, and how about the enormous indebtedness not in suit? Suppose the duped farmers would send them $2,000, or any other sum, it would be absorbed by the hungry officers for back salary as quickly as a big sponge would take up a drop of water.

They are very solicitious about "brother farmer" pinching a dollar in two "now when the organization is on the right track?" They have frequently said they were going to abandon it and go into something else, so, why should the farmers over the country send them money? Read this from their own paper of May 15:

That if the consolidation of the two societies is decided upon, the same shall be incorporated under the name "The Farmers Union of America."

In another of their papers was published the constitution and by-laws of the proposed new society and in a southern farm paper refering to the same proposed new organization and written by the national organizer of the A. S. of E. is this:

The preamble leading up to consolidation provides for another convention of each organization this fall when the organization will be perfected.

But enough has been written to serve as a warning to farmers. We know that not one who reads this can be enticed into the dark alley and there held up and robbed. Any one who sent them any money on the representations made in the June 1st number of the Equity Farm Journal should report the matter to the Chief Postoffice Inspector, Washington, D. C. I believe he will prosecute them for using the mails to defraud, or, any duped person can prosecute them in any proper court for obtaining money under false pretenses.

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were begging money or bonds to keep them out of jail. Now it is money to pay attorney's fees for their defense so they say. Farmers may well ask how much money must be put up for such things to get profitable prices for farm crops.

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The new day has dawned. This paper and the Farmers Society of Equity are leading the vast army of old-time followers and a still greater army of new ones to victory through co-operation. Our principles have been tried in the fire and have emerged purified and with added strength. Holding the banner of **EQUITY** aloft in one hand and with a scourge in the other we will lash every detractor out of bounds.

* * * *

It is as much the mission of this paper to protect farmers and prevent them from being deceived as it is to teach them the great lessons of co-operation in the business affairs of the farm. What we have reported in this department should not in the least discourage our readers against organization, but make them more determined. The Farmers Society of Equity plan is right and will win. The desperate plight of those who temporarily side-tracked the organization is proof that that drawback has ceased to be a factor, and every attempt they make to bolster up their cause will leave them in worse condition than before. They long wanted a pretext for appealing for more money. Their appeal will be in vain. We make the above explanation, but offer no apology for the departure from the usual style of matter in this department.

DRAYTON HAS RESIGNED

C. O. Drayton, President of the American Society of Equity, that is conspicuously referred to in this issue, has resigned. Among the reasons assigned, is "discord at headquarters." Drayton was a director in 1907 and joined with Sec. Tubbs in the scheme to organize consumers and make them a factor in the farmers society. He led in the conspiracy to capture the organization in 1907, and was rewarded by being elected to the presidency in 1908, and was re-elected in 1909. He, more than any other person is responsible for the dissolution of the once powerful society that gave farmers more benefits than any other organization ever did. He betrayed the farmers and like of old sold them out to gratify his greed for position and money and make the opportunity to test his undigested theories. C. O. Drayton's name will live in history, enrolled, with a score of others, in the darkest chapter that was ever written in the history of American agriculture.

Farmers are to be congratulated. Gradually, but surely the old detractors are being eliminated while the sound principles of the original society and its superb plans are being perpetuated and established all over the land in the FARMERS SOCIETY OF EQUITY. The mills of the Gods grind slow but sure. Again we have an exemplification of the old saying:

Truth crushed to earth will rise again,
The eternal years of God are hers;
But error, wounded, writhes in pain
And dies amidst her worshippers.

OTHERS SHOULD EMULATE THIS EXAMPLE

We quote from a letter printed in April 15th number of UP-TO-DATE written by F. S. Feely, organizer in Montana, as follows:

I am pleased to report a most satisfactory joint meeting of the millers of this part of Montana and the Farmers Society of Equity at Roberts on March 19th. The purpose was to arrange for such co-operation that would allow the millers to pay us Minneapolis prices for our wheat and secure for them the home orders for flour.

We are now in receipt of a communication under date of June 3d, as follows:

Our local met June 1st and had a good meeting. An agreement was entered into with Mr. John McCullough, miller at Joliet, Mont., that he will pay us Minneapolis prices for our wheat at Joliet. We farmers selected our representative to inspect and weigh the wheat and he to pay his salary. On our part we agree to use flour ground by his mill. We are going to buy our sacks and twine direct from the manufacturers. Also we have arranged to have a car load of cedar posts shipped from Boise, Idaho. They are to cost us 11 cents delivered at Roberts, while dealers here charge 17 cents.—J. R. Sutton, Sec.

The agreement was the result of organization and co-operation on the part of the farmers to secure what the natural conditions proclaimed was their rights. Montana does not usually produce any, or much surplus over the home consumption of wheat But still, notwithstanding this buyers would only pay the Minneapolis price less freight. The argument was, that if you don't take our price you must ship to Minneapolis and stand the freight. It is clear enough that if the local buyers stood pat on this proposition the farmer could not do any better by shipping to an outside market. But through organization and co-operation the farmers have turned the tables. They have said to the home millers, "pay us Minneapolis prices or you will not get our wheat and will be forced to send East for your supplies and pay the freight besides." So it is a compromise that helps both. Besides, now the farmers will bring their influence to bear on the grocers who handle flour to sell only home-made flour made from Montana grown wheat.

So we recommend other sections in Montana to emulate the example of the Roberts local union. The advantages will be so apparent that it does look as though this one inducement would be sufficient to guarantee a local at every shipping point and every miller in the State seeking an agreement such as Mr. McCullough made. There are also other States where the same conditions prevail and they may, through State-wide organization and co-operation secure the full benefits of the F. S. E. plan while the balance of the country is organizing.

$3,000,000 Spent To Make a $1,000 Car

Over $3,000,000 has been invested to make Overland cars cost less than any others. The saving all goes to our buyers.

We are making a 25-horsepower Overland for $1,000 this year. It has a 102-inch wheel base—a possible speed of 50 miles an hour. There is not a road in America—not a hill with a road up it—which this car cannot travel.

We are making a 40-horsepower Overland, with single rumble seat, for $1,250. It has a 112-inch wheel base. Every price which we quote includes five lamps and magneto.

As a result of these values, Overlands have become the most popular cars in existence. Over 20,000 people will buy them this year. Let us explain how we give such remarkable cars for the money.

Automatic Machinery

We have spent some hundreds of thousands of dollars on special automatic machinery. Each machine is devised to make some part in the most economical, most exact way.

Here is a machine which enables one man to do the work of sixty men. Here is a machine which performs thirty operations in the time which another machine took for one.

Here is a welding machine which brings steel to white heat while one is taking a breath. Here are rows upon rows of automatic machines doing the work of an army of experts far better than experts ever did by hand. The sum of their savings—on the thousands of parts which go into a car—saves hundreds of dollars on an automobile.

Other Economies

One whole factory—every machine and every man in it—is devoted to one model alone.

There are separate factories for the different parts, so that all can be made in the most economical way.

Then we have an output of $24,000,000 per year. So the overhead expense—which in some cars amounts to a fourth of the cost—is but a trifle per car in the Overland.

Those are some of the reasons why no other car can compete with the Overland.

Utter Simplicity

Yet the man who knows would give more for the Overland than for any other car in its class. It is so simple, so easy to care for, so trouble-proof, that it appeals to experts and novices.

The Overland has fewer parts than any other automobile. All the complexities have been eliminated. The car almost cares for itself.

Many owners write of running it thousands of miles without even cleaning a spark plug.

The operation of the car is by pedal control. One goes forward or backward, fast or slow, by simply pushing pedals. A child can master the car in ten minutes. A young woman is now running one of the cars from the Atlantic to the Pacific.

Overlands are used in the U. S. Mail service because of their proved reliability. Each car does the work of three horse-drawn vehicles.

Numerous large concerns supply Overlands to their country salesman, because any man can always keep them going.

On a ranch in Texas, 15 men in Overlands are doing the work of 50 men on horses.

Ask for the Facts

More people are buying Overlands now than any other car in the world. You should know all the reasons, for those reasons will appeal to you. If you will send us this coupon we will mail you a beautiful catalog, giving all the facts and picturing all the styles. Please cut out the coupon—now—before you forget it. Learn the facts about this remarkable car.

We have dealers in 800 towns.

J 58

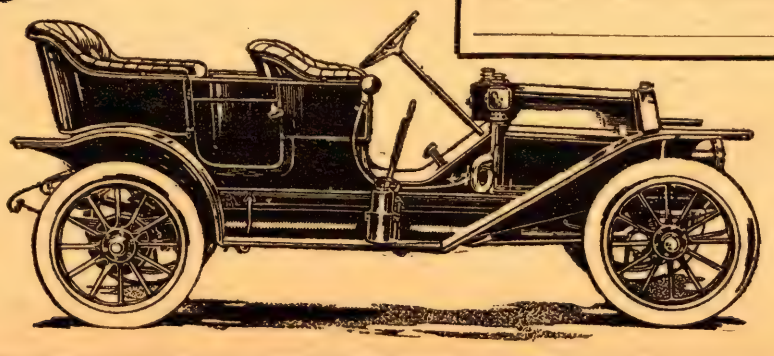
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The Overland



The 40-horsepower Overland costs from $1,250 to $1,500 according to style of body, etc. The wheel base is 112 inches. All prices include gas lamps and magneto.

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PRODUCE EXCHANGES VS THE EQUITY SYSTEM

(Concluded from page 2)

falling, and that he should sell today at a certain price to avoid further loss."

And this from the same article:

If it were not for the performance by the Produce Exchange * * * the producers at one point, where the surplus happens to be large, would receive less than the cost of producing the commodities, whereas the consumers several hundred miles away would be burdened with an excessive cost because of local scarcity.

And this from the second article, printed in June 15th number:

With the system of buying and selling for future deliveries abolished, prices would be below the cost of production right at harvest, and exhorbitant immediately after.

And this from the same article:

Unless some better system is devised to take its place (the system of buying and selling for future delivery) I am confident that its destruction would create chaos, if not a cataclysm in the grain trade of the country.

Hay and potatoes are raised in immmense quantities in this country and in Europe and other foreign countries, but Mr. Merrill says speculation in them is impossible. Notwithstanding this, they find the demand or the demand finds them, and the prices for these farm crops always range quite in line with prices of other farm products that are speculated in on Boards of Trade and Exchanges. In view of these facts, are we not forced to doubt the correctness of Mr. Merril's prophecies regarding grain, provisions and cotton, speculative commodities, if the system of buying and selling for future delivery is obolished? If potatoes, which are too perishable to speculate in, or hay, which is too bulky, get along so well in finding markets and maintaining prices, without the Produce Exchanges, may we not assume that the less perishable or less bulky, easier handled commodities, would find the demand, and the prices of them would be maintained as well without the Exchanges?

We are not certain that the public is to be congratulated over what Mr. Merrill describes as a "happy state of affairs."

9. All we ask the reader to do is to contrast the method of marketing, which Mr. Merrill says makes speculation necessary, with the Equity System which decides the price when a crop is produced, and that price to prevail for all of that crop and until the next one is ready to market. That is also what the manufacturer does, and it is the only way he could continue in business. To illustrate: Suppose a manufacturer had a plant that could turn out ten thousand machines, but he, because of circumstances or because of a Board of Trade or Exchange, was prevented from establishing the prices on his machines, but would be obliged to take the prices offered by somebody else on the day that he was ready to sell them. No person will contend that the manufacturer would do business that way. He could not afford to. The farmer can't afford to, either, and he does not need to continue the old system one year longer than he wants to.

10. The question before us is not whether the business of the produce Exchange is legitimate, but whether there can be a better system established for pricing and directing the marketing of farm crops. We deny that the Produce Exchanges perform any valuable service in finding markets for farm produce. As we have said before, the demand must be satisfied and it will seek the supply, and cause the supply to flow to it as naturally as water flows down stream and finally reaches the ocean. We deny that the Produce Exchange reduces the risk of marketing farm products, but rather it produces the element of risk and uncertainty, and then pretend to be the agency to insure or protect the dealer. If future dealings in grain, provisions and cotton were discontinued, then the speculators will not be needed to insure against the risk, any more than they are needed in marketing hay and potatoes.

11. We deny that the speculators have a monopoly of skill, facilities and finances, but give to the farmers a simple, reliable and practical system for directing the marketing of their crops, such as the Equity System, and they will prove as competent to run it as producers in other lines have been. Let farmers keep control of their crops and they will have the financial responsibility and can secure money to finance their business, just as well as the speculators can, who would not have the financial responsibility without the farmers' crops.

12. The speculative element in the modern grain and produce trade does not operate to steady and equalize prices through long periods, as Mr. Merrill claims. On the contrary, it is the greatest disturber of prices and that is what it thrives on. To illustrate: The day before this was written the price of wheat in the Chicago market advanced three cents a bushel because of a report of drouth in the Northwest. The next day, the day we are writing this, the price of wheat declined three cents a bushel at Chicago, because of a report of rain in the Northwest. These fluctuations were purely because of speculation, and instead of the system operating to steady and equalize prices through long periods, it does operate to disturb prices every day and many times a day. The wheat that is growing in the northwest will not be ready to market for two months; therefore, whatever effect speculation at this time had upon wheat, was not upon the wheat that is growing, but upon the wheat that was grown in 1909, and which was produced under very different circumstances. Should the price of it be adjusted to the conditions prevailing at this time, they might be unfair to the farmers in not leaving them sufficient profit, or vice versa, in giving them a larger profit on their 1909 crop than they are entitled to. Also, instead of the Exchange System operating to steady and equalize prices through long periods, that System frequently doubles or halves the price in one year, while each bushel of any crop should be worth just as much as any other bushel, regardless of the exact time it is placed on the market. That would give the farmer the same steadiness in values as the manufacturer enjoys who puts a price on his machines and that price prevails during the entire season and usually for a number of years.

13. Remove the risk through the Equity System, and commercial speculation will not be necessary or possible. Again, remove risk and insurance will not be necessary and all of its cost will be saved to the producers and consumers. Also, we say again that the Exchange System does not contribute anything to the continuity, breadth or volume of the market, but because of the uncertainty it thrives upon, it is a constant hindrance and check to commerce in the products of the farm. As long as prices are in control of a class of people known as speculators, the legitimate handlers and consumers will buy as little as they are absolutely required to have when prices are high, for fear that the price will be put down and they will lose, while on the other hand, when prices are inordinately low, capitalists and speculators will buy up farm crops and hold them as clubs against farmers securing sufficiently profitable prices for what they may have back on the farms. The Exchange System multiplies the producers' perplexities and troubles and except in seasons of short crops, it operates against giving him remunerative prices. Instead of speculation in farm crops being "desirable" in any sense, we consider it the greatest curse that afflicts our country, except perhaps drink, and wrecks more homes and fortunes and fills more suicides' graves than any other evil of the times.

For a complete, perfect understanding of the Equity System and how to use it, send $1.00 and become a member-at-large of the Farmers Society of Equity. Read "Market Your Crops Through the Equity System" and send the coupon.

FAT IS FATAL

Fat is fatal to Health, Comfort, Happiness and often fatal to Life.

Let me send you a trial treatment FREE OF CHARGE. You can get rid of your fat safely, surely and quickly.



What my treatment has accomplished in hundreds of cases. It will help you! Try it!

E. A. Richards, Mayor of Holly Hill, Fla., says: Your treatment cured me permanently, it has been two years since I stopped taking it and have not regained a pound.

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SPECIAL FREE OFFER I have had such wonderful success with my method of reducing superfluous fat that I have decided to offer for a limited time **—free trial treatments.** Hundreds of testimonials on file show that my treatment **takes off fat at the rate of 5 to 7 pounds a week** and what is more, that the fat **does not return** when the treatment is finished No person is so fat but what it will have the desired effect, no matter where the excess fat is located—stomach, bust, hips cheeks, neck—it will quickly vanish without starving, exercising or in any way interfering with your customary habits. My treatment is endorsed by physicians, because of its easy, natural elimination of abnormal flesh and its beneficial effect on the whole system. Perfectly harmless; easy and quick results. Rheumatism, Asthma, Kidney and Heart Troubles leave as fat is reduced. **Don't take my word for this;** I will prove it at my own expense. Write to-day for free trial treatment and illustrated booklet on the subject; it costs you nothing. Address Dr. J. Spillenger, Dept. 1188 E. 41 West 25th St., New York City.

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BUY A FARM in "Central Minnesota", prices will surprise you, good soil, water, markets, roads, schools, churches, neighbors, and not least, "Always a Good Title". Write C. D. Baker, Fergus Falls, Minnesota, for list of 100 farms.

MICHIGAN FARMS—Improved and unimproved, any size, $5.00 acre and up, easy terms, Catalog free. Kouw & Co., Holland, Mich.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

WE HAVE for sale about a dozen choice farms in very best part of Southern Minnesota at prices ranging from $55 to $70 per acre. Write for particulars to Mapleton State Bank, Mapleton, Minn.

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FARM WANTED—I want information immediately about a good grain or stock farm for sale. There is a good buyer waiting for it, willing to pay your price. Write me at once for full particulars. Address Arthur Capper, Dept. 67, Topeka, Kan.

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GET A BETTER PLACE—Uncle Sam is best employer; pay is high and sure; hours short; places permanent; promotions regular; vacations with pay; thousands of vacancies every month; all kinds of pleasant work everywhere; no lay-offs; no pull needed; common education sufficient; find out how you can have a position guaranteed you by asking to-day for F R 839. It is free. Earl Hopkins, Washington, D. C.

LOCAL REPRESENTATIVE WANTED. Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Addrss E. R. Marden, Pres. The Nat'l Co-op. Iteal Estate Co, Suite 511 Marden Bldg., Washington., D. C.

SALESMEN WANTED—We pay cash each week, pay expenses while canvassing, give exclusive territory and furnish complete canvassing outfit free. Experience in our line not necessary. Write today for particulars. Planters, write for special prices. The Griesa Nurseries, T. E. Griesa, Prop., Lawrence, Kas.

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ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

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TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure, pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

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80 CENTS buys polished, nickle, stem wind and set watch, reliable time keeper, guaranteed full year. Bargains in Elgin and Waltham watches, write, H. P. Company, Indianapolis, Ind., Box 3.

GREAT SPECIAL OFFER

Everybody wants a telescope. Who has not wanted to study the stars at night? Who has not needed to see things at a distance?

But a good telescope has heretofore been out of reach of the masses because of the price. A small, inferior glass would cost a good many dollars. We want to introduce the Excelsior Telescope into thousands of new homes so make this most liberal and astonishing special offer. Tell your friends—advertise it—that is the object of this offer. Only $1.00 for a telescope three and one-half feet long when extended. Measure the distance—42 inches. The like was never known before. Order today before our supply is exhausted. Remember we guarantee satisfaction or money back. No risk when you order an Excelsior Telescope. And we will include a Solar Eye Piece that has never been supplied before on telescopes selling for less than many times the price of this. Study the sun—look at him face to face by using the Solar Eye Piece.

Telescopes heretofore provided with a Solar Eye Piece or dark lens for sun observation have cost from $8.00 up. We have reproduced a Large Solar Telescope, which for $1.00 will enable people to correctly see the sun for the first time. Previously you have only seen the rays of light, or sunbeams.

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The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light, which is larger by 900 times than all the planets combined, and which supplies all the planets with energy by its radiance. Our $1.00 Excelsior Telescope will help you in this study, notwithstanding the fact that the Sun is 93,000,000 miles away. Through the Solar Eye Piece you can see the sun as you never saw it before. Not only is the sun magnified through this Telescope, but the Dark Lens and the Solar Eye Piece robs it of its dazzling effect on you, and you can see the sun properly.

This is a long, powerful Telescope, for terrestrial and celestial use. This Telescope is provided with an adjustable Solar Eye Piece for sun observations. Every student, male or female, needs this Telescope to study the sun in *eclipses*, also the mysterious recurrent sun spots.

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POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3 1-2 feet, in 5 sections. They are brass-bound, brass safety cap on each end to exclude dust, etc. with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1. Postage 10 cents extra. If insurance is desired, 10cts. more. This is a grand offer, and you should not miss it. We *warrant* each Telescope to give satisfaction or money refunded.



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Fred Walsh, of Howe Island, Ont., Canada, says: Gentlemen—I have just received your telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are more than double what it cost me.



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Gentlemen:—Please send me another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money.—R. C. Allen.

An old hunter tells us that he never goes into the woods without a strong lense to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines.

Microscope and Telescope

I have fairly tested the Excelsior Solar Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.—F. S. Taylor, Box 376, Davenport, Iowa.



Using the Eye Piece of an Excelsior Telescope as a Microscope.

BUY THE BOY A TELESCOPE

Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy,* if he is given a few ideas now to think about.

There are always many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*

HISTORY OF THE TELESCOPE

The telescope seems to have originated in Holland early in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own Excelsior Telescope was first brought out in 1886, but the Excelsior Telescope of today, with its Solar Eye Piece, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.

COUNT CATTLE 20 MILES AWAY

A Kansas Farmer Counting Stock Twenty Miles Away

I wish all to know how satisfactory the Excelsior Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, Yours truly, F. G. Patton, Arkansas City, Kans.

Mr. C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes, says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.

Could Discern Boats from Five to Ten Miles Away

GOOD THINGS OTHERS SAY

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.

Very satisfactory.—Eugene J. Halle, Booneville, Mo.

Wonderful at the price.—Alfred L. Edwards, Athol, N. Y.

Satisfactory in every way—H. J. O'Sullivan, Schnectady, N. Y.

Much better than expected.—O. R. Oakley, Bridgeport, Conn.

Just as you represented.—T. W. Wakeman, Waterlick, Va.

Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.

Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.

Would not take $5 for it.—Thomas L. King, Luffman, S. D.

If I could not get another, would not sell it for $10.—J. T. Huntre, Falls, N. C.

Could read signs on Oakland Pier, three miles away.—E. Salanave, San Francisco, Cal.

Send two more; well pleased with first one.—J. W. Seifert, Prattville, Ala.

WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room to print.

You need not take our word for it, but write ony one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITY,* and send us the money, *and we will guarantee you perfect satisfaction or money refunded.*

SUN SPOTS



The mysterious spots on the Sun. Get our Solar Telescope and see them.

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the general level. Their cause and the precise theory of their formation are still uncertain. At intervals they are very abundant; then there are periods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and the violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effectes upon the weather!



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Let the keynote of this advertisement be implicit confidence in us, and we will make good or money refunded.

A Telescope brings new brain cells into play; it opens new avenues of thought and broadens one's resources.

Interesting booklet entitled **"Telescope Talk" FREE** with each order. This booklet tells all about the care of telescopes, eclipses of sun and moon, etc.

THE GREAT $1.00 WONDER

The Pleasure and profit derived from this Telescope is like money invested at compound interest—the longer you have it the more you get out of it.

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Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, JULY 15, 1910 | Number 14

PRODUCE EXCHANGES vs. THE EQUITY SYSTEM OF MARKETING FARM CROPS

FOURTH ARTICLE

We repeat part of our introduction to former articles as follows:

"John C. F. Merrill, Vice-President, Board of Trade of the city of Chicago, wrote a series of four articles, 'Study of Economic Functions in System of Production and Distribution,' which was originally published in 'Chicago Commerce' in March and April, 1910. Later the articles were printed in pamphlet form for general distribution.

"The subject was considered under four heads as follows: Article I. 'General outline of the functions of the produce Exchanges in Modern Commercial Life.' Article II. 'Buying and Selling for Future Delivery.' Article III. 'Speculation.' Article IV. 'Exchange Evils and their Cure.'

"Naturally the purpose of the article was to justify the continuance of Produce Exchanges and Boards of Trade as they exist and to counteract the efforts directed through congress to close them out or confine ther operations to dealing in the real commodities.

"In view of the mission of UP-TO-DATE FARMING to establish a sound marketing system for farm crops that will eliminate the evils of the old system and make farming as definite and certain for profits as the best regulated business in the country, we assume to reply to Mr. Merrill's article. We will compare the present produce exchanges and their system of price making and marketing crops, with the Equity System that we are establishing and leave it to the reader to decide between the two.

"We will not print all of Mr. Merrill's article as, for comparison that will be quite unnecessary. We will say, however, that we will not omit anything that will make what we do quote less clear, or pervert its meaning."

In this number we will consider Article No. IV. which completes the series.

The four numbers of UP-TO-DATE FARMING, containing the four articles with our criticisms and comments will be sent for 10 cents.

ARTICLE IV—EXCHANGE EVILS AND THEIR CURE

Mr. Merrill said:

1. In dealing with the evils which are charged to the produce exchanges and their work, there has not been, nor will there be, any attempt to deny that some do exist. It is insisted, however, that sush as exist are not fundamental—in short, that the benefits far oughtweigh the evils. There are deserters from the army, there are barnacles upon every battleship that sails the seas, there are evil pests and parasites upon every tree that blooms in the orchard. But snsible men try to eradicate all these evils, without disbanding the army, dynamiting the battleships and destroying the orchards. The same course we submit should be taken with our exchanges; if a surgical operation is deemed necessary, let it come only after the most careful diagnosis by those qualified to perform such an operation that in the end the evil may be cut away, leaving the institution strong and vigorous to perform its splendid economic functions.

2. One of the most chronic complaints against the transactions upon the produce exchanges is that "the whole crop is sold several times over in a day" upon the exchange floor. The argument is made to show that dealings thereon are not in the real commodities, but, rather, "in wind," as the saying is. Now, this is not a fact as is shown by a careful comparison of the amounts of grain, provisions, etc., actually delivered upon contract during any delivery month with the amount of those commodities for which contracts have been made to deliver during the month. Back of every original contract to buy or sell commodities upon any legitimate exchange, there is an equal amount of the real commodity somewhere in the world. That the sum total of the contracts to sell for future delivery are often high, as compared to the whole anticipated crop, is true, but this is not a normal situation, and such "sales in one day do not represent several times the amount of the future crops."

3. It is readily apparent to one who understands clearly the operation upon a produce exchange how this apparent "over-trading" takes place. Suppose A sells five thousand bushels (5,000) of wheat to B, the latter sells the same to C and C sells the same to D. Now, all are dealing in substantially the same five thousand bushels (5,000) of wheat, and each party bought and sold it at a time he considered advisable. But if you would add together the contracts, the result would show that a much larger amount was dealt in.

4. Another factor which enters here is that the trade upon the Chicago board of trade, for instance, does not represent the grain and provisions which are tributary to this market alone. It represents the farm products of the whole world. The miller and the grain dealer in Australia, or the Argentine Republic, the man who is shipping grain from Alberta to Liverpool, the cattle buyer buying his cattle in Texas to be fattened upon corn in Illinois or Iowa, may all be "hedging" their transactions in the Chicago board of trade, and yet the actual commodity may never arrive at this market. Thus, if the comparison was made between the aggregate trade in all the produce exchanges of the world, and the total farm product of the world, this apparent discrepancy would never appear.

5. The great variance between the amount of bank clearings during any one period and the actual cash balances on hand during the same period represent a parallel case in another avenue of commerc. During the year 1909 the bank clearings of Chicago amounted to $13,-781,843,612.86, while the actual cash balances in the banks amounted to but $993,499,307.49. Can it be said that over twelve billion dollars of business was bogus? Not at all. This merely shows how large a factor the bank check and commercial credits play in ordinary business affairs.

6. Another charge is often brought against the produce exchanges is that they make possible, or render more easy of accomplishment the "corner" and the illegal manipulation of prices so baneful to commerce and the consuming public. That this is not the fact can be easily shown.

7. In the preceding article it was made clear that speculation does not cause fluctuation in the prices of agricultural products, but, just the reverse, that speculation enters into their trade because the prices of such commodities do fluctuate in response to the law of supply and demand. Therefore, should it be found that "corners" and manipulation of prices occur in the trade of commodities where speculatin is not a prominent feature, we must look further for the cause of the same than the fact of speculation.

8. The lessons to be learned, in my judgment, is clear that if speculation is an unmitigated evil, it can be destroyed, but only at the expense of progress. A country needs the man who is willing to take risks to accomplish great things, just as science requires men to risk their lives, if necessary, to carry to fruition some idea in the mind of the one who assumes the risk.

9. Another fact to be borne in mind in connection with the subject of speculation is that, generally speaking, prosperity increases the amount of it and depression decreases it. When times are "flush," it is almost inevitable that the surplus savings of any community will, in one way or another, be diverted into speculative channels. It may go into new railroads, new industries, real estate, etc., but in each case the extent of the speculation is an accurate index to the general prosperity prevailing in any community. When the individual has any considerable bank deposits in excess of his immediate needs, his first inclination is to place his surplus in places where the rate of return has a fair chance to be larger than can be obtained in more conservative channels of business. This is a natural human tendency which all the laws and regulations cannot remove so long as human nature remains as it is.

10. Various reforms have been suggested to control this speculative tendency in the produce trade. The trading on "margins" with brokers upon our exchanges has come in probably for the greatest share of criticism. Now, a "margin" in the grain, provision and cotton trade is identically the same as prevails in many other lines of business. The man who buys real estate by paying a part in cash and giving his note for the balance of the purchase price is doing what the person who buys wheat is doing when he places with his broker a certain proportion of the purchase price for ten thousand bushels to be delivered at some date in the future. It is simply a "deposit" to seal

(Continued on page 2.)

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

the transaction and a business custom to safeguard the broker for his extension of credit to his client for the balance.

11. The suggestion is often made that many of the evils of speculation can be cured by doing away entirely with the practice of trading by the deposit of "margins," and compelling every person who desired to purchase to place in the hands of the broker the full purchase price. This might lessen the amount of trading in grain, etc., if this is what is desired. But, whether it would eradicate any evil that may seem to exist is extremely doubtful. It would but divert the investment of such surplus money from the grain trade to other fields.

12. The main point to be considered in the above suggestion is whether it is fair that you should be allowed to buy a piece of real estate worth ten thousand dollars ($10,000) by depositing one thousand dollars ($1,000) and giving your note for the balance, and be denied the right to adopt the same method if you considered grain, etc., a better investment than real estate. The investment in one is just as legitimate as in the other, and yet the proposition is made to apply arbitrarily a method of business in the produce trade which is applied in no other field of commerce in similar transactions.

13. Another thought which would prevent the practical operation of such a suggestion as the above is that there is not money enough in the world to finance even a small part of the world's business upon such a basis. As far as the grain trade is concerned, it would absolutely remove the granting of commercial credit to any one who sought an investment in such produce commodities. It would be but slightly removed from the commercial age of barter. And should the same principle be applied throughout the entire system of business, we should soon find trade and commerce in a state of complete paralysis.

14. The proper function of the "bear," or "short seller," is very often a subject of confusion in the public mind. There is a general opinion that they are conspirators who are in league to cut down prices to the producer. As a matter of fact, in a buoyant, open, competitive market, the "bear" is of the greatest value in putting a check upon reckless speculation and steadying prices at the normal level. It is the counteraction of the two forces—the "bulls," representing the optimism, and the "bears" the pessimism, upon the crop outlook—which tend to maintain that reasonably stable level of prices so characteristic of the products dealt in upon our modern produce exchanges.

15. The attempts to eradicate speculation and the evils of it are not of recent date, but are as the saying is, "as old as the hills." The most recent case of the attempt to legislate legitimate speculation out of existence is that of Germany. In 1896 the rapidly increasing agrarian party forced the enactment of a law forbidding dealing in futures in grain. The result of their folly was not only disastrous but immediate. Prices of farm products were depressed and, in spite of a decided scarcity in many parts of the empire, considerable quantities of grain were exported. Later, however, when the crop had been almost exhausted, Germany had to repurchase from abroad at greatly enhanced prices the grain for home consumption. It is agreed by all economic experts that, with the produce exchanges open, providing a free, competitive market, this catastrophe would not have occurred. It is further of interest to note that Germany has seen the folly of its ways and has practically restored the produce exchanges under the system formally in vogue, just at the time when we, in this country, are bent upon following their earlier example.

16. The stock and produce exchanges are doing their share and more, not only to keep their own business clean, but to eradicate the vultures which prey upon human cupidity and credulity. The Chicago board of trade alone is spending fifty thousand dollars ($50,000) annually in its war upon "bucket shops" throughout the country. In the conduct of their own exchange their operations lie like an open book before the whole world. They are ready and willing to adopt new views just as fast as they prove to be sound and salutary for all concerned.

THE EQUITY SYSTEM AND THE PRODUCE EXCHANGE SYSTEM CONTRASTED

We repeat our introduction to the preceding comments and criticisms in June 1 and 15 and July 1 numbers, as follows:

It is not our purpose to prove that the present Exchange or Board of Trade methods are a menace to society, or necessary evils, nor that they are not of benefit to the commercial world. We can ignore all such claims made by their enemies and their friends. But we will attempt to prove that the Equity System will do far more than the old one ever attempted, correspondingly benefitting the commercial world and in no respect can any evil effect follow its establishment.

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1. It is not a question of a surgical operation to eradicate the evils that exist in the Produce Exchange System, but to eliminate that system, root, trunk, branch and fruit. This can be done by substituting the Equity System that will produce conditions that will make it impossible for the old system to exist. The produce exchange system depends on uncertainty and risk while the new system is synonymous with certainty and reliability. Mr. Merrill's comparison of the Produce Exchanges with the army, battle ships and orchard is not fair, particularly as to the last. We cannot dispense with orchards and still have fruit, but we can substitute the Equity System of marketing farm crops for the Exchange System and it will perform its functions with a degree of certainty and benefits to all concerned that the latter makes no pretensions to.

2. Notwithstanding Mr. Merrill's attempt to make an impression to the contrary, the fact remains that the aggregate trades made on the Chicago Board of Trade for any future month are multiplied times the amount of the American crop and we believe are several times the amount of the worlds crop, and three or four future month deals are constantly open. His statement that "back of every original contract to buy or sell commodities, upon any legitimate exchange, there is an equal amount of the real commodity somewhere in the world;" and in paragraph 4, "the trade upon the Chicago Board of Trade, for instance, does not represent the grain and provisions which are tributary to this market alone. It represents the farm produce of the world," must be intended for the casual reader. There are hundreds of exchanges in the world all trading on the same world's crops and the aggregate sales do amount to "several times the whole crop in a day." Thus a factor is brought into the marketing of farm crops that is constantly producing abnormal conditions and makes the price more dependent on man's cupidity than on actual supply and demand.

3. And Mr. Merrill's further illustration does not strengthen his position. We said when commenting on a similar illustration in a former article, "A did not own the 5,000 bushels of wheat in the first place." The seller did not represent any real supply and the buyer did not represent any real demand; the sale did not take a bushel of actual wheat out of the supply and the purchase did not satisfy any legitimate demand for consumption. Therefore the transactions should not have any effect on the price of actual wheat, if supply and demand control. But as a matter of fact, these transactions in "wind" commodities do affect prices enormously and to an equal extent they do affect the owners of actual produce or the people who need real produce for manufacture or consumption. Thus producers and consumers are made the victims of the fictitious plays on the Produce Exchanges.

4. They "hedge" their transactions because of the conditions made by the Produce Exchange System. Discontinue that system and "hedging," call it insurance if you prefer, will not be necessary.

5. This is another illustration that is not fair. We have shown, and he admits it, that the transactions on the Board of Trade are almost all in imaginary commodities, but who will contend that any checks or drafts passed through the Chicago banks that did not represent actual commodities bought and sold? To put the bank business on a level with the Board of Trade transactions we would need to assume that the bulk of it was in the nature of "kiting."

6, 7. We believe every reader will admit without further argument that speculation does cause fluctuations in the price of farm products. It must, as otherwise what causes the change in prices nearly every minute? The changes in real supply, or real demand cannot be charged with the fluctuations. Growing crops are not supply but through the exchange system each favorable or adverse influence that

(Continued on page 5)

GRAINS O'GOLD

Remarkable New Wheat Introduced in 1909



IN introducing this wheat last year we said:

"This new wheat, like other varieties of our introduction will immediately spring into great popularity. Our customers who secure seed this year, although the price is rather high, will be in line to reap the rewards with us, that always come from introducing a valuable new variety of grain. All that can be raised of Grains O'Gold wheat for several years will be needed for seed purposes."

What we said then has come true in a tremendous degree. Wherever Grains O'Gold wheat was sowed it has surprised wheat growers by its hardiness, vigorous growth and guarantee of great yield. (Space prevents us printing many more testimonials). The testimonials below are from people who grew this wheat for our trade on contract and are fair examples of the experience of a great number who took our advice last season and bought the wheat outright. Everyone of them will find quick sale for all he has to spare at our price in the neighborhood. And what is true this season will be true for several years. So if you are a wheat grower and want to raise the very finest wheat in existence, as large a yielding, smooth wheat as has been originated in probably fifty years and one that you can sell for seed at an extra price, send your order now for the Grains O'Gold wheat.



..*A head of Grain O'Gold wheat with chaff removed on one side and the grains exposed. This illustration shows the length and breadth of a fair average head, the number of meshes and how located on the head. The drawing is a true copy of the head.*

This grand wheat was originated by Mr. Adams, the originator of the Fultzo-Mediterranean which is a wonderful wheat. The selection and breeding to establish the Grain O'Gold covered a period of eight years. The heads of this new variety have white chaff, are medium to long, about a third longer than its parent. The meshes are almost as close as the club headed sorts, consequently a head has many meshes, many grains. The head illustrated here is exact size of an average head. It is made to represent the chaff removed on one side exposing the grains. Count the grains and note how many are on one side. Twice this number is the number in the head. We say positively that this is not an unusual head but a common one with the Grain O'Gold wheat.

Grain O'Gold is one of the hardiest varieties to stand hard winters and also to recover from any winter shocks. It stools in a truly wonderful way, grows tall, but stands up well, color while growing the darkest green of any wheat denoting wonderful natural vigor. The grains are medium size, amber color, fine hard texture. A field of Grain O'Gold wheat is different in appearance from any other variety at almost all stages of development and at harvest the thick, long, white-chaff heads, with golden grains drooping and waving in the sunlight is a beautiful sight.

Read these two reports:

We had a very hard winter on wheat but your Grains O'Gold stood it fine and grew rapidly in the spring. In my judgment it is the best wheat and was headed out before others started. The heads are well filled with plump grains, 4 to 6 grains to a mesh. I estimate the yield at 30 to 35 bushels to the acre while I have no other variety that will make over 25 bu. to the acre. I do not regret the money spent for this wheat. It is the best I have. Your pleased customer.—Jacob Hentzel, New Athens, Ill.

The Grains O'Gold wheat stood the winter well, markedly better than any other variety in this locality. It is very vigorous, rank growth and from all indications will yield at least 25 per cent more than any other variety about here. It appears to be the very best wheat, especially this year which was the second worst for wheat I have known in 12 years. The wheat in this county is not over 40 per cent of a crop, but Grains O'Gold will make good 25 bu. per acre.—J. Free, Carmel, Ohio.

The supply of this year is very limited. We know that it will not last through the seed selling season. It may not last 30 days. This is a case that suggests prompt orders, so if you want to be sure of getting some GRAINS O'GOLD wheat this year don't waste any time in engaging what you want. If not convenient to make full remittance send one-half with the order and the balance when you want the shipment made, or pay the balance when the wheat arrives.

PRICE FOR 1910—We will send one pound by mail postpaid for 40c or 4 pounds for $1.00. By freight or express, ¼ bushel, $1.00; ½ bushel, $1.75; 1 bushel, $3.00; per bag of 2½ bu., $6.00.

O. K. SEED STORE, Indianapolis, Indiana

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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They Do It To Deceive The People

IT is not pleasant to us to so often refer to wrongs done by others; but it is just as much our duty to save our readers from imposition as it is to teach them new methods. And since we know things are done to deceive the public, especially the farmers, for the benefit of those who practice the deception or teach the false doctrine, we are under obligation in good faith to our readers, to make known the facts and thus save them from being deceived and wronged.

Of this class of things is the contention that the production of food products in this country is falling short of the demand. That contention or theory had its origin with the speculative interests that make most off of glutted markets and enforced low prices to the producers—the combined storers and handlers. The object is to induce increased production—over production—and thus make richer and more easily gathered harvests for themselves.

It is true the theory of short production is advanced by some who are not connected with the classes referred to, and whom we would be loth to charge with wilful deception; but they are themselves deceived, and accept the theory as an opapparently plausable one and do not seek a reason for its promulgation. They forget that the best way to hide a wrong act or intent is to attract attention in another direction. They do not perhaps realize the wrong there is in speculative buying and hoarding—in forcing prices down on glutted markets and then forcing prices up to consumers by hiding and holding the supplies.

To aid this and for no other purpose is the contention that farmers are not producing enough. It has no foundation in fact. Let us see. Between 1900 and 1904, less than six years ago, counting crops, we exported an average of 192,000,000 bushels of wheat a year. And even for this year, the fiscal year ending June 30, it is estimated that our exports of wheat will not be less than 80,000,000 bushels. How does that comport with the idea that we are not growing enough wheat to meet the home demand? If we are not, then speculative buyers are starving our own people by sending our wheat to foreign countries to get a higher price. They must cease the cry that we are not raising enough wheat, or they must quit sending it abroad.

In other food products the figures make a similar showing. According to Secretary Wilson's own figures, and he sometimes joins in the contention that our food price troubles are caused by the farmers not producing enough—his own figures show that the value of farm products in 1906 was only $6,755,000,000 while in 1909 it was $8,760,000,000, an almost inconceivable increase. This shows an increase in production values of nearly 23 per cent., while our increase in population during the same time was only about 7 per cent. Therefore, ignoring the proofs afforded by our exports, the increase in production far exceeds the increase in population and consequent increase of consumption.

Hence it is very clear, no matter what others may say, and no matter what the motive that prompts them to say it, the American farmer is fully able to feed the American consumer, and he is fully doing it. There need be no alarm in any quarter. Prevalent fair prices, even the prices paid the farmer, saying nothing of the exorbitant prices charged the consumer, stimulates production, and enables the farmers to make any needed increase to meet any legitimate increased demand. Knock out the suction machines between the farmers and those that consume their productions and there will be no need to complain of prices at either end of the deal, and there will be no reason to fear a shortage.

Their Own Opinion of Option Dealing

EVILS must defend themselves, but their very defense is an argument for Right, and proves that the evil, no matter what it is, should be abolished. Every defense of evil is an effort to show that the evil is right, which is a confession that only the right should be allowed to exist.

For instance, the president of the Merchants' Exchange of one of our largest cities, in an address not long ago defending the methods of the Exchange, declared "that grain exchanges are absolutely the farmers' best friend;" but he admitted that "this speculative system is composed of two selfish interests, one as strong as the other." These are engaged in a constant warfare against each other, one betting that prices will be higher and the other that prices will be lower, each striving to win his bet by every means, fair or foul, the same as other gamblers do, for on the winning depends the profit or loss. It is not a question of buying or owning grain; it is a question of winning a bet. That is the essence of the deal, and supply and demand is scarcely an incident in the price; that depends upon the relative strength of the contending forces. But Mr. President says further:

> The two elements— Bulls and Bears—form the Boards of trade for the marketing of grain. The trading which ensues is founded upon the great law of Supply and Demand, and the most rigid rules have been formulated to prevent one interest from taking unfair advantage of the other.

As we have shown, the very nature and purpose of the deals make it impossible that the trading be founded on the law of supply and demand. It is prompted not by the need of grain, but by the spirit of greed which creates a desire for grain. The amount of grain in existence has nothing to do with it further than to serve as an argument for one or the other; and the frequent rapid changes in prices when there can be no change in supply or demand, proves our contention. That the rules referred to either do not exist or are not observed is proven by the wild scenes on the boards of trade, and the frequent making of millions by one side off of the other in a single deal.

But this board of trade president, like all other speculators, desires the farmers to produce more grain. He says 32 bushels of wheat could easily be produced where 12 are produced now, and declares that is the way for farmers to get a better income. If, as he claims, prices are made in accordance with the supply, would not multiplying the supply by theree divide the price by three? It would do more. When there is more than is needed, the surplus is not worth anything, it is a waste product, and would reduce instead of increase the farmers' income as has actually been the case with many crops.

No, their own words condemn them. Speculative dealing and price gambling are sins and wrong both producers and consumers.

Senators Should Be Careful

SENATOR Smoot, who, by the way is a member of that one time spoken of high-cost-of living committee, has taken a fling at farm prices, and he does not throw so accurately as David did when he fought the Philistine. He declared that the prices of farm products showed a greater advance since 1906 than the prices of any other commodities. Most of these prices, he said, have more than doubled. His figures put corn at an advance of 118 per cent., wheat 88 per cent., cotton 92 per cent, oats 132 per cent., rye 117 per cent., barley 126 per cent., hops 340 per cent., potatoes nearly 74 per cent., fat cattle 92 per cent., fat hogs 172 per cent., and so on.

Well, 1896 was quite a long time ago, and there have been changes in many things since then. In fact, all prices, and almost the entire commercial system, have changed since then. Mr. Smoot does not come near enough down to date. He stops where his figures are decidedly misleading. The fact is, farm prices are going down at a great rate now. In May, 1909, wheat sold at $1.46 to $1.54. It is, at this writing, under a dollar for cash, while the future is quoted in the 80's. The May, 1909, price of corn was 75 to 76 cents; it is now 76 cents, with futures tending dowward. May 1909, oats was 58 to 63 cents; it is now quoted at 35 to 38 cents. It appears, therefore, that in one year these grains have lost from 30 to 50 per cent., while the price of potatoes is only a fourth what it was a year ago.

Yes, Senators ought to be more careful.

PARTISAN GOVERNMENT

PARTISAN government is not the best. In a government like ours where the people are supposed to rule by means of the ballot, political parties are necessary, but once the ballots are cast and the successful candidates determined, partisanship should cease, the officers chosen should no longer be partisan farther than to carry out the public policies of the party which choose them And that, indeed, is all the use there should be for parties—to enable the voters to take sides and express themselves on certain governmental principles or policies. Beyond that partyism is harmful. When successful candidates continue to be partisan, they are not of the whole people, and they neglect the public good for the party. The government ceases to be a government of and for the people, and become a government of and for the party.

We regret that President Taft and his subordinates seem to have too often put themselves on record as partisans. The President does not hesitate to make known his preferences in party struggles in the various states, and his most intimate advisors and helpers frequently "take the stump" in party contests. Some of his predecessors took quite a different view of government and party politics. The famous "pernicious activity" order cannot have been forgotten. In those administrations activity in political campaigns was enough to forfeit positions in in the government service. Now such activity seems to be the surest passport thereto.

An apparent determination to condone or protect flagrant wrong for the sake of party is also a discouraging feature of the present rule. It would be difficult to make the unprejudiced pubblic believe that Secretary Ballinger could have remained in any previous cabinet, or that so many orders and measures favorable to monopolistic interests could have been secured in any other administration. We do not say this from any partisan view of these things. We say it strictly in the interest of the whole people, from whom the power of government seems to be rapidly passing.

There is a present extravagance, too, which ought to be checked. A billion dollars is a tremendous sum, more than the number of seconds in thirty years, yet the present congress has appropriated and provided for the expenditure of more than that sum, a greater sum, infact, than any previous congress ever appropriated. And that, too, when much was said not long ago about a treasury deficit, so much that it was claimed to be necessary to increase the tariff taxes to supply the deficiency.

ANOTHER PRODUCTION SCARE

W. C. Brown, president of the New York Central system, is reported to have said in a recent address before a gathering of Minnesota bankers:

> "If the converging lines of production and consumption in the United States continue to approach each other as they have during the last ten years, before the middle of the decade upon which we have just entered has been reached, the last vessel loaded with agricultural products of this country will have left our shores; the great grain exporting elevators in our seaboard cities will stand empty, and this great nation, like those of the old world, will be looking with anxious eyes for a place to buy the necessities of life. When the day comes that this nation fails to produce sufficient food to supply our own people; when we no longer send the product of our farms abroad, bringing back the gold from foreign nations, what will be the cost of living in this country, and where will the money come from to meet this debt?
>
> "Our failure to increase the products of our farms in anything like the ratio of increase in consumption, is exerting more than three times the effect upon the cost of living than is being exerted by all other causes, including the increase of gold."

"Unless we can increase the product per acre of the farms of this country," continued the speaker, "the most serious danger which we have now to face, will be from within and not from without." If these distinguished men would study production and marketing as we have studied them, they would realize that to cut out the present dastardly system of speculative marketing and gambling upon the uncetainty of future prices, and substitute in place thereof an equitable system that would insure fair and steady prices to the producers, there would be no shortage in production, and no other stimulus would be needed to make production equal every demand for unknown generations to come.

THE TELEPOST A GREAT TELEGRAPHIC ADVANCE

THERE has been organized and is being rapidly extended over the country an autographic telegraph system called the Telepost. The invention is quite recent and it is sure to revolutionize telegraphing. Messages are sent automatically at wonderful speed, a thousand words a minute being claimed for it. The best speed of the old system does not exceed about twenty to thirty words a minute. This naturally reduces the cost of electric communication and makes heretofore considered impossibilities in rapid communication, possible. Present Telepost rates are 25 cents for a 25 word message, transmitted by wire and delivered by messenger, or 25 cents for a 50 word message transmitted by wire and delivered by mail. Like the United States mail, distance does not increase the cost. Superior accuracy is another important feature of the Telepost.

It occurs to us that this may be a timely invention for farmers. Farmers should not sell on glutted markets, and to avoid doing so they must not only know the price, but they must know where the demand is. The Telepost affords a means of getting that information and keeping it before them superior to the telegraph or the telephone, and we will be glad to see it extended over the country.

STRUGGLES OF THE FRUIT EXCHANGES

THE struggle of the fruit exchanges, especially in the South, are almost painful. The fruit growers and their business friends feel the pressure, and are anxious to do something. They realize that sometimes a whole crop is lost because of unfortunate shipments and gluted markets; but they are all the time groping in the dark, and each new effort seems but to register another failure. If all of them could only understand and apply the Equity marketing system as taught by UP-TO-DATE FARMING and practiced by the F. S. E., the whole problem would be solved, and there would no longer be dearth of profits in the marketing of any crop.

LONG LINE OF PIONEERS

THE Fourth of July brought its usual flow of oratory. The various exigencies through which the country has passed, its achievements, advancement and progress, were told and listened to with patriotic enthusiasm. Amid the many things so eloquently spoken of was the long line of pioneers that pushed their toilsome way from the Atlantic to the Pacific; blazed roads through forests, marked lines over mountains, made paths through prairies, defied rainless regions, conquered deserts, and opened the way for the world's highest civilization. Among the nation makers these hardy pioneers deserve one of the proudest places. Great achievements go only where someone else has gone before; and these pioneers, your fathers and mine, made possible, made easy, what was done after they had conquered the wild and opened the way.

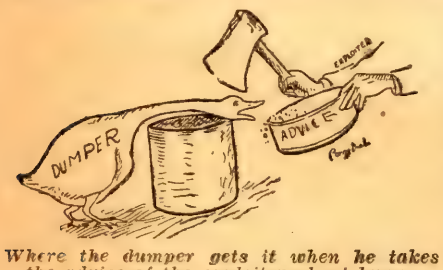
What a wilderness of wrong has grown up in the business methods of the country and the world! Farms dot the wide expanse of the nation, and men and women toil in the fields and the homes. Girls and boys grow up with their faces turned toward the cities because the marketing methods give the profits to those who do not till the soil. In the multiplied shops and factories millions labor only to see their earnings swallowed up by excessive profits claimed on the necessities of life. In the marts of trade, by systems indefensible, the creations of labor, in field or shop or mine or factory, are gathered in by monopolistic sons of greed.

It is a wilderness. Another march of pioneers is needed to open the way to a restored equality of right and opportunity, and to give to those who labor, no matter in what capacity, the things that are theirs by right of creation and production. Equity must once more take its ruling place in the business of the world, and fairness and justice must be giveen to every one. Once more must the wilderness be entered and wrong must be overcome. Hurtful speculation, the bulls and bears of the pits, arbitrary and unjust profits extorted by those who have never earned them, must be drawn from the jungles of business to make room for Equity, fairness and right.

Welcome, Pioneers of Equity! Instead of stretching along the Atlantic coast as did the harbingers of American civilization, a multitude of Cadets of Equity cover the whole country, where they are personally studying world conditions and growing in goodness and greatness. From their increasing ranks the Pioneers of Equity are springing, and, by helping to educate the masses are paving the way for better things, and for "Equity in all the social and business relations of life." Spread the truth and win the honors of Pioneers of Equity.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers



Where the dumper gets it when he takes the advice of the exploiter about bumper crops and marketing.

MUCH needed rains have fallen over most of the needy sections of the country but dry weather is complained of in the Northwest. Spring wheat has suffered very much and that has been the chief factor in influencing the markets since our last report. Through the great corn belt, with unimportant exceptions, the weather has approached the ideal corn weather. That crop is rapidly making up for lost time because of the unfavorable spring.

The Government crop report as of July 1 shows a loss of 31 points in the spring wheat condition which, unless favorable weather remedies part of it, points to a crop 100,000,000 bushels less than last year. The Government report also indicates a total wheat crop of only 625,000,000 bushels against 737,000,000 last year. With crops, however, early estimates must not be relied upon. There is plenty of time yet for improvement in spring wheat to materially change the July estimate. Oats have not maintained their earlier flattering promise but will be a large yield. The government estimate is 1,017,000,000 bushels against 1,007,000,000 bushels last year. If the present high condition of corn is maintained until the crop matures we will have a crop of 3,166,000,000 bushels compared with 2,772,000,000 bushels last year and the biggest former crop, 2,927,000,000 bushels in 1906. Cotton conditions are irregular caused by uneven rainfall.

All visible supply reports are less than two weeks before and all grain markets are higher. The most notable advances have been in spring wheat, which now sells at a large premium over winter wheat. Fluctuations in prices of grain have been wide, as much as 2 to 4 cents in a single day. While cash wheat continues above $1.00 in nearly all central markets many country points will offer only 80 cents to 90 cents a bushel. We advise against selling at a heavy discount. Prices will even up when the dumpers have unloaded.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supply of wheat in the United States on July 2, by Bradstreets' report was 44,898,000 bushels. That was 5,170,000 bushels less than two weeks before, 2,480,000 bushels more than a year before and 537,000 bushels more than two years before.

The visible supply of corn on the same date was 10,253,000 bushels. That was 2,110,000 bushels less than two weeks before, 4,226,000 bushels more than a year before and 3,845,000 bushels more than two years before.

The visible supply of oats on the same date was 7,618,000 bushels. That was 2,166,000 bushels less than two weeks before, 1,004,000 bushels less than a year before and 2,326,000 bushels more than two weeks before.

The visible supply of barley on the same date was 2,258,000 bushels. That was 568,000 bushels less than two weeks before, 954,000 bushels more than a year before and 965,000 bushels more than two years before.

COTTON

The aggregate world's visible supply of American and other cotton as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	June 24, 1910	June 17, 1910	June 25 1909
American ..	1,461,608	1,588,700	2,500,430
Other kinds .	1,110,000	1,112,000	813,000
Total	2,571,608	2,700,790	3,313,430

Price—New York, July 1—Middling upland 15.35c, middling gulf 15.60c. The price is about 30c per cwt. higher than two weeks before.

CLOSING PRICES OF CASH GRAIN

July 7, 1910

CHICAGO—Wheat, No. 2 red, $1.04¾@1.06½; 2 weeks before, $1.00@1.02. Corn, No. 2 white, 64½@65c; two weeks before, 63½@64c. Oats, No. 2 white, 40½@41½c; two weeks before, 40¾@41c.

ST. LOUIS—Wheat, No. 2 red, $1.05@1.10; two weeks before, $1.01. Corn No. 2 white, 65@66c; two weeks before, 65@65½c. Oats, No. 2, white, 44c; two weeks before, 40c.

KANSAS CITY—Wheat, No. 2 red, $1@1.05; two weeks before, 96c@1.06. Corn, No. 2 white, 64½c; two weeks before, 65@65½c. Oats, No. 2 white, 39c@41c; two weeks before, 34@37c.

CINCINNATI—Wheat No. 2 red, $1.08@1.10;; two weeks before, $1.05 @1.06. Corn, No. 2 white, 67½c; two weeks before, 67@67½c. Oats, No. 2 white, 42½@43c; two weeks before, 42@42½c.

NEW YORK—Wheat, No. 2 red, $1.08; two weeks before, $1.05. Corn, No. 2 white, 69¼c; two weeks before, 68¾c. Oats, No. 2 white, 45½@49c; two weeks before, 44@45½c.

MINNEAPOLIS—Wheat, No. 1 hard spring, $1.19¼; two weeks before, $1.15; No. 1 Northern, $1.17@1.18¾; two weeks before, $1.12½@1.14.

FUTURE GRAIN PRICES

Chicago grain futures closing July 7th. with comparisons.

WHEAT—July, $1.03; Sept. $1.01¼; Dec. $1.01⅞; May, $1.05; two weeks before, 97⅝c, 97⅛c, 97⅞c, respectively.

Corn—July, 58½c; Sept. 60⅝c; Dec. 58¼c; May, 60⅜c. Two weeks before, 58⅞c, 60⅛c, Dec. 58¼c.

OATS—July, 40c; Sept. 39c; Dec. 40c; May 42¼c. Two weeks before, 39¼c, 38⅝ and 39½c, respectively.

CHICAGO PRODUCE MARKET

July 7, 1910.

OLD POTATOES—There is little or nothing doing. Both demand and offerings are light. Values range from 10c to 18c, depending on quality.

NEW POTATOES—Owing to the very small offerings a strong feeling prevailed. Sales were at 65c to 75c, or about 7c over the market of the previous day. On barrel stock there were good offerings and the trade was somewhat more active.

Sales reported were: 1 car mainly Ohios and part Triumphs at 68c, 1 car of choice Ohios at 70c. 1 car do. fancy at 75c, 3 cars of Virginias at $1.70, 5 cars do. at $1.75.

Per bu.	
Arkansas, Tennessee or Oklahoma, red, choice to fancy	$ 70@ 75
Fair to good	63@ 68
Very small or showing rot..	50@ 60
Some will not bring freight	
Early Ohio, good to choice..	68@ 70
Fancy	73@ 75
Barrels, Virginia, white, good to choice	1 75@1 80
Carolina, white	1 50@1 60
Cross-slat barrels, Virginia ..	1 15@1 25

The price of new potatoes is about 10c a bushel and 25c to 40c a barrel lower than two weeks before.

HAY—Market very firm. Offerings only moderate and demand good.

Price—Choice timothy $19@20; No. 1 timothy, $18.50@19. No. 2 timothy, $17@18. Prairie, choice $15@16. The price of timothy hay is from $3.00 to $4.00 a ton higher than two weeks before, of prairie 50c to $1.00 higher.

BEANS—The late hot weather has made consumption small and demand is tame. It has also created some apprehension on account of the crop. Stocks are small.

Price—Pea beans, choice hand picked $2.33@2.38; prime, $2.23@2.28. Mediums nominally about the same. Red Kidneys, $2.75@3.00. The price of Pea beans is about the same as two weeks before, of Red Kidneys it is about $1.00 a bushel lower.

EGGS—Dullness prevails, and the market in general is in an unsatisfactory condition. Offerings are large and some accumulations to work off. Eggs are mostly of poor quality, and it is this which is creating the dullness as much as anything else. What little inquiry exists is for strictly fresh Eggs, and not many of these. Very few really desirable Eggs are being received. For the stale, shrunken and heated Eggs there is no regular market, and they are disposed of at irregular prices, depending on how good or bad they run.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week,	Last week,	Last year
Monday .....*		20,256	* ....
Tuesday 13,652		26,995	18,271
Wednesday ..24,628		17,496	15,115
Thursday 25,113		8,714	19,921
Total 63,393		73,461	53,307

*Fourth of July.

Price—The following quotations were established by the Chicago Butter and Egg Board:

Miscellaneous lots, cases not included, 13@15c; two weeks before, 15@16½c. Ordinary Firsts, 14c; two weeks before, 16c. Prime Firsts, 17½c; two weeks before 16½c. Eggs packed for storage offered at 18½c, with 17c bid. The eggs offered now are not as desirable as April's for storing.



FRANKLIN MOORE,
Organizer Farmers Society of Equity
Dryden, N. Y.

Farmers, the time has come when you must organize upon a solid commercial basis. You, who as an organized class, would be the most powerful in the world, are today the weakest. Upon one side is organized capital, the trust; upon the other is organized labor, the union; while fastened upon your throats and sucking your very life's blood are those vampires of industry, the speculators.

You are both capitalist and laborer. You produce the necessities of life. You own the land and you pay the taxes. And yet your influence as a class is nill. Unorganized you are the prey of both trust and union. Organized you will be more powerful than both.

The consumer is paying one dollar for the produce for which you receive on an average of thirty-two cents. The present system of distribution is radicaly wrong. Organized you can sell more direct, control the price, get a better price, and yet the consumer will have to pay less. Cut out that 68 per cent that goes to the vicious, moderating system today.

The Farmers Society of Equity has won notable victories; and will eventually change the whole system of distribution. A local should be organized at every station. You need the Society. It is not a matter of sentiment, Mr. Farmer, but a matter of business, of cold cash. The kind of fertilizer your farm needs is the nitrate of cash that justly belongs there. The object of this Society is to assist you in getting it there.

I will answer calls to organize. Write me.

UP-TO-DATE FARMING

Production and Marketing

TO THINK ABOUT

TRULY pitiable is the farmer who has good eyes but cannot see things that need attention. So many losses might be saved by just a little bit of of care at the right time. The gates, the fences, the condition of the pastures, the supply of stock-water. We only mention these for examples. Many an unemployed half hour is wasted that might have been used to greater value than an ordinary day's work. See the opportunities, and do the little things with big results.

—o—

There is no excellence without effort. Success on the farm does not necessarily mean a constant rush with no recreation or rest. Both mind and body need rest, and it is wise to have it. But what brings disaster to so many is a listless, uninterested way of doing things. We want euthusiasm even in farming. No matter what is done, ask yourself: "Could it have been done better?" If "yes," a person with ambition worth a pea is not satisfied until it is done better.

—o—

"For this time" is a dangerous easing of conscience. "It will do for this time." It always means a job poorly done; and it should have no place in a farmer's rule book. We have often thought a thing had better not be done at all than to be done merely so it will do for this time. Nothing is done until it is done right.

—o—

We never have advised farmers to be stingy, but we do advise them to be thoughtful in expenditures. The mere feeling that a certain article ought to be had, or a certain investment made, is not sufficient to warrant the deal. Compare the outlay with the necessity, or the advantages to accrue from it and come to a decision as a judge or jury does.

—o—

A farmer may risk more in buying land than in any other investment. Land is a fixture, and it is a commodity for which there is an ever increasing demand. Besides it is a necessity upon which all living must depend for existence. It may increase in productiveness, but it cannot increase in quantity. Land is, therefore, a wealth builder. He who possesses however little may benefit by the ever increasing demand for it, and he may add to its actual value by increasing its fertility

—o—

In view of the above paragraph, don't let any land go to waste. Drains may be necessary, but underground drains, tiles, are least in the way and most effective. If there must be open drains, hold them strictly to their limits. Let there be no breaking over banks. To guard against that see that no drifts form. And have something useful growing in every nook and corner. Waste land is like a hole in the pocket. No farmer can afford either.

PRODUCE EXCHANGES VS THE EQUITY SYSTEM

(Continued from page 2)

seems to effect them is reflected in the price of crops produced, perhaps, under very different conditions. The produce exchange system makes the law of supply and demand imperative, notwithstanding Mr. Merrill's claim to the contrary.

8. We don't need to pass on Mr. Merrill's prediction that progress would turn back if speculation in farm crops was discontinued if the Equity System is substituted for the Produce Exchange System it will be the most progressive step the country ever took. Very true, the country needs the man who is willing to take risks. But the same man will accomplish far more if dealing in certainties.

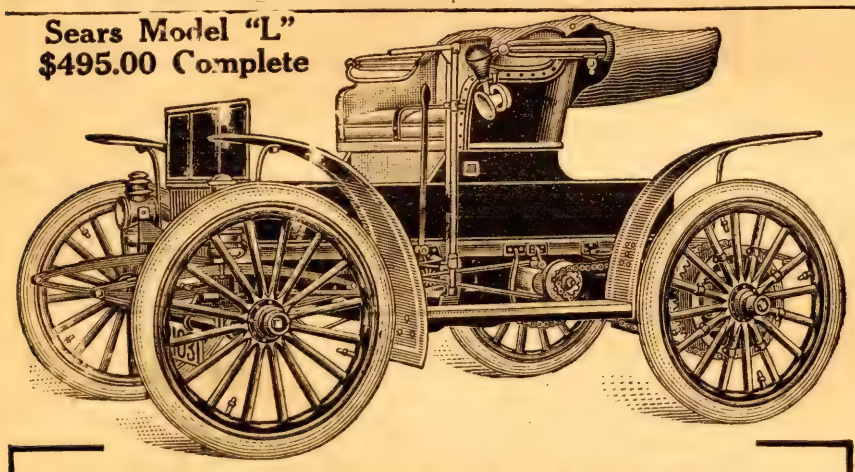
9. Mr. Merrill might just as truly have said that rampant speculation is the certain precursor or panics and nearly all the ills that afflict industrial America. End speculation in farm products. Make it impossible by substituting certainty for uncertainty, and the surplus money will seek safe investments where the lure of promise is not so great but the certainty of steady returns is the inducement. The avenue of speculation is the one that carries the small earnings of thousands to the coffers of the millionairs. Since there is a "natural human tendency to speculate" as claimed by Mr. Merrill and since speculation claims more victims than any other vice, the tendency should be restrained by law, or conditions produced that will make it impossible.

10. Again Mr. Merrill depends on the stupidity of the reader. This illustration, like others is not a fair one. In the sale of real estate there is something tangible and no person, having only one farm or we will say not even one, would presume to sell ten thousand farms. If a man would sell a farm that he did not have he would be sent to the penitentiary, wouldn't he? But carrying Mr. Merrill's illustration to its logical conclusion, try to imagine the effect on real estate if a few hundred men in a real estate board of trade in Indianapolis or Chicago and a hundred other cities, would sell thousands of farms and blocks of city property that they never owned, these sales totaling every week more than all the real estate in the country. If such transactions would be undesirable for real estate how can they be otherwise for the products of the farms?

11, 12, 13. The real point is evaded by Mr. Merrill again. He attempts to justify "margins" by showing that credit is given real estate deals. If the margins were always on actual wheat as they are on actual real estate then the transactions would be equally meritorious. But the margins are on intangible, mythical grain or provisions. Also we fear that Mr. Merrill has misstated the proposed reform in margin dealing. No person who wants to contract for a lot of grain would be required to put the full amount in the brokers hands. The idea is absurd and he is depending again on the supposed stupidity of the reader. Hay is not a speculative commodity, yet there has never

(Concluded on page 11)

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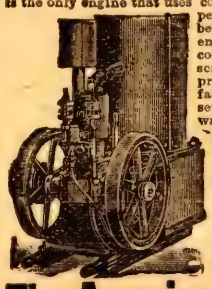
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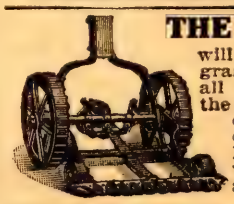
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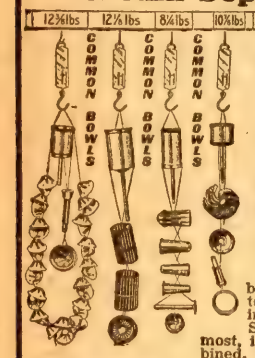
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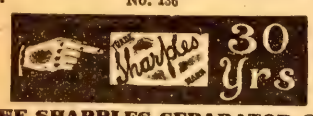
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UP TO DATE LIVE STOCK AND DAIRYING

IT IS WORTH WHILE

CONSERVE the pastures. Lean pastures are inhabited by lean stock. Not many farmers can afford much land for pasture, hence pasture land should be no more neglected than the cultivated fields. During the latter half of summer growths are slow, and it is easy for stock to clip the pastures close. Either do not have too much stock, or have rich, well seeded pasture lands.

—o—

Many colts on farms during the hot days of the period of cultivation, were permitted to follow the mares back and forth across the fields. They are none the better for having done so. It is hard on them, and the practice is becoming unpopular. Colts are better off in a cool stall than in the hot fields. A little care is necessary, though, in letting them suck when the mare is taken in. Colts should not be allowed to suck too much when the mare is very hot.

—o—

Whatever may be said in the market reports, heavy horses, or medium heavy, are best for the farm, and they are in active demand and almost everywhere. People wisely conclude that light teams do not fit present high priced labor. Men can do more work with heavy teams than with light ones, hence the preference for heavy teams.

—o—

Don't wait until fall or winter to clean the stables and haul out the manure. Keep the stalls clean all the time for the animals' sake, and as soon there is a load or two haul it out and spread it where it is needed. It is then out of the way and done with, and it has the very best chance to do the most good. Cropping that does not allow time to do the various odd jobs is not good farming.

—o—

One of the best things to do for the pastures in midsummer is to mow them. Weeds grow that the stock will not eat, and they stand in unsightly bunches almost all over the fields. If neglected they crowd out the grasses and ruin the pastures. Running a mower over these fields is a light job, and it practically destroys the weeds, and seems to renew the pastures.

—o—

Don't plan to raise hogs without pasture. It can't be done profitably. There are two extremes among hog raisers. One class depends entirely on grain feed; the other depends entirely on pasture. Between the two is the successful line. Some grain and plenty of pasture makes the most pork and the greatest profits.

—o—

The value to hogs of charcoal, or coal slack, or small lumps of coal, can scarcely be over estimated. Whether in the pasture or in the pen, hogs eat these articles with a relish, and with good effect.

—o—

Do not keep the brood sows too fat, either in winter or summer. The overfat sow produces small, weak pigs, that are very apt to lack vigor. Most unthrifty, weak hogs acquired their unthriftiness before birth.

—o—

Milk-producing animals must have milk producing feed. The best equipped factories are powerless to produce without the raw material to work upon. The protein feeds are the milk producers—alfalfa, the clovers, cowpeas, either as hay or pasture, or blue grass or redtop pastures. In winter, corn fodder is a better milk feed than timothy or redtop.

Good fencing is an important factor in stock farming. There is great loss if the grain fields cannot be pastured after the grain is removed. To do that the fields must be fenced. Woven wire 32 to 36 inches, with one or two barb wires above it, makes an excellent all purpose fence. Four barb wires twelve inches apart, the bottom one being twelve to fifteen inches from the ground, makes a very good fence for cattle or horses.

—o—

Don't neglect the hoofs of the horses. It is seldom that nature can be depended upon to keep the hoofs of horses in proper shape, and a misshapen hoof often leads to bad results. The hoofs of the colts in the pastures should have attention as well as those of the work team.

—o—

The open salt box in the pasture where the stock can take salt at will, is an important adjunct to the pasture. To prevent loss the salt box should be sheltered from rain. Otherwise every shower will dissolve the salt in the box. If the box, however, is water tight the loss will not be great as the stock will lick up the salt water.

—o—

The water supply is an essential feature of the pasture, and if this can be so arranged that the stock can have access to it without help, there will be a great saving of time, and there will be no danger that the stock may suffer from neglect.

IDEALIZE YOUR AIM

The ultimate aim which the worker sets before him ought always to have a touch of idealism, because it must always remain a little beyond his reach. The man who attains his ultimate aim has come to the end of the race; there are no more goals to beckon him on; there is no more inspiration or delight in life. But no man ought ever to come to the end of the road; there ought always to be a further stretch of highway, an inviting turn under the shadow of the trees, a bold ascent, an untrodden summit shining beyond. — Hamilton Wright Mabie in The Business Philosopher.

When Gabriel blows his trump
On that great morn of morns,
I hope it won't scare folks
Like those old auto horns.

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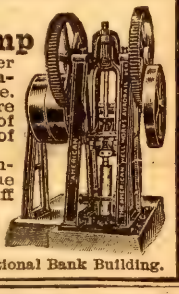
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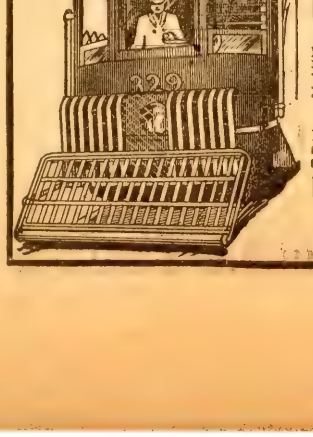


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GARDEN and ORCHARD

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The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

WHAT WILL THE HARVEST BE?

I would like to ask this question of every one of my readers: WHAT WILL THE HARVEST BE? We who edit this paper **are asking ourselves the same question.** You sow the seed and harvest your crop; we sow the seed, **but must depend upon you to gather our harvest of subscribers for us.** Will you do it? The harvest is ripe. A little work among your friends who are not subscribers will result in a bountiful harvest of subscribers to us—for our readers benefit. WILL YOU GET THEM TODAY AT 50 CENTS FOR TWO YEARS OR TWO FOR ONE YEAR?

Sincerely,
SAMUEL ARMSTRONG HAMILTON, Garden Editor.

THE GARDEN

Some Results of Early Crops.

It is possible to give the results of the early crops of vegetables which are marketed by the professional grower, as well as those grown for home use on the farm. The excessive amount of rain during the months of April and May in the sections of the country lying east of the Mississippi River had a disastrous effect on some of the early crops, while it was of advantage to others. The crops of the up-to-date American farmer, are so diversified that any kind of weather is likely to prove of benefit to some crops and a detriment to others.

The early tomatoes were a great success. Never have I seen finer ones. I have scanned the finest markets in this country, New York, Boston and Philadelphia, and it is the consensus of opinion in each of these that never has the early tomato crop been as fine or as large, and the fruits so sweet and meaty.

But the early potato crop was in bad shape, excepting in the extreme northern portion of the country, where the early crop is co-temporary with the second early in the lower-middle states. The tubers were rough, and very scabby, and not mealy and finely flavored, *as good potatoes should be.*. I fear my warning to treat all potato seed with *Formalin* was not heeded as it should have been. Several car-loads from Ohio, which I inspected were as fine as it was possible to be; the skin was smooth, delicately pink, and their eating qualities were delicious. TREAT ALL POTATOES WITH FORMALIN SOLUTION HEREAFTER.

In many sections the cucumbers and early squash crops were a total loss. The constant rains kept many of them from fertilizing, owing to the absence of the bees and the pollen being washed out as fast as it formed; in other sections they hung on the vines half-grown, owing to the cold, wet, weather, and when the hot dry weather came with a rush they matured at once, and were not fit for the "slicing" market. *In soil filled with humus this would not be the case.* Has your soil a sufficient humus content?

The early beans and peas were a good crop, although the crop was short, owing to difficulty of planting due to the early wet season, and they brought good prices. Radishes were never better, but lettuce was almost a total failure, owing to the wet and prevalence of "wilt." The market has been bare of good lettuce for a month (on July 1) but the mid-season crop, which comes mostly from central-western New York promises well. There has so far been very little early celery, excepting from California, the Florida crop being late. The melon season is two weeks late, but the crop promises to be good and well-flavored.

THE ORCHARD

Falling Leaves.

Prof. Surface, State Entomoligist of Pennsylvania, has had a large number of inquiries from persons within that state as to the cause of the leaves falling from the apple trees, most of whom sent specimens of the leaves. Prof. Surface says that the climate conditions existing during the spring and early summer are responsible for the leaves falling. The alternation of a long wet season and a sudden hot dry spell of weather, in mid-summer, caused a cessation of the flow of sap, and the leaves parted from the stem. He is of the opinion that there will be no serious results. I note this as the weather conditions were so wide-spread, and it is sure to be of benefit to my readers.

Apple Conditions.

An inspection of apple orchards in a number of sections in the east and middle states, and reports from a friend who has just returned from the Pacific north west indicate an enormous crop of fine fruit in those orchards which have been intelligently sprayed and cultivated, and enriched with sufficient fertilizer to produce results. It is apparent to even the dullest mind that *it is impossible to grow a crop of marketable apples without spraying, fertilizing, and cultivation,* and those farmers who do not intend to do this had better cut out their orchards and put the ground into some other crop that they will give necessary care.

Budding Fruit Trees.

Every young man and woman on the farm should be a good budder. There is nothing mysterious about it. It is easily learned by anyone of average intelligence, and enables the fruit-grower to quickly change from poor to good varieties.

Budding of trees takes place in August, and consists in inserting a bud under the bark of another tree. The process is a substitute for grafting, and is used in a commercial way in propagating peaches, plums, cherries, roses and certain varieties of ornamental trees and shrubs.



It is essential, that the bud and stalk should unite freely. To have this occur, the cells of the cambium layer must be in a state of active division indicated by the ready separation of the bark from the wood. The union of the bud and the stalk takes place at the edges of the bark of the inserted bud. The bud should be inserted as soon as it is cut from the twig, so as to avoid drying out. The bud should be plump and matured when taken from a shoot of the current years growth.



Cut the "bud stocks" the day before they are to be inserted. Trim off the leaves and place in a damp cloth to prevent drying out. Leave a bit of the stem to use as a handle in inserting the bud. Use a sharp knife. Insert blade one-fourth inch below bud, cut upward just behind bud, remove a little of the wood. Have knife come out about one-fourth inch below bud. (See Fig. 1)

Make T shape incision in stalk about two inches above ground (See Fig 2.) With the spatula end of budding knife loosen the lips of bark in angle of the T and slip in the bud (See Fig. 3). The bud is held firmly in place by a bandage wound above and below (See Fig. 4), being careful to leave the eye of the bud uncovered. Raffia fiber (wet) bast, candle wick or wax cloth may be used for tying. If the bud takes remove the bandage in about ten days by cutting loose on back side of stalk. In three or four weeks cut off the stalk just above the bud to stimulate growth of the new bud.



Peaches are budded the same year that pits are planted. When the seedlings have growth large enough to hold a bud they are ready for budding.

SAMUEL ARMSTRONG HAMILTON
Garden Editor.

Some doctors opened a dog and found a running watch inside of him. "Naturally enough," retorted grouchy, "he was simply a watch dog, and they are only common animals."

From Bakery to Farm

Soda crackers are a long time on the road to the country store, and from there to the country home. But

Uneeda Biscuit

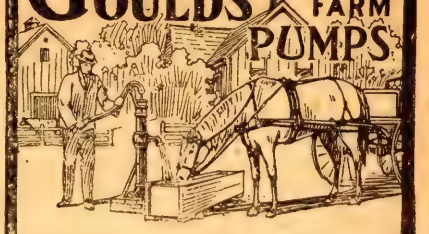
—no matter how far they journey, never become travel worn. As you open their moisture proof protecting package you always find them not only store fresh, but bakery fresh—clean, crisp and whole.

A package costs 5c.

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POTATO MACHINERY

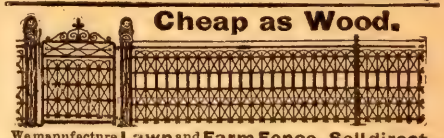


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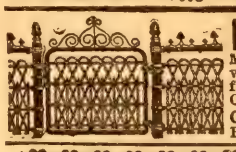
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Dept. 444, National Salesmen's Training Association,
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COMFORT IN RHYME

DON'T despair because you can't do big things. There would be no ocean if there were no drops of water, and very short seconds make long years. A writer thus tells of little things:

Help a little, smile a little,
All along the way;
Sing a little, laugh a little,
Through the passing day.

Lift a little, push a little,
As the hours go;
Heavy hearts may need your helping,
If you only know.

Much the same sentiment is beautiully expressed in the following:

The thing that goes the farthest
Toward making life worth while,
That costs the least and does the most
Is just a pleasant smile.
It's full of worth and goodness, too,
With hearty kindness blent;
It's worth a million dollars
And doesn't cost a cent.

But there is a sad sweetness in the reflection that whatever we may do for others, or whatever others may do for us, when the superlative sorrow of our life comes, we must bear our cross alone. Kind friends may be with us who would gladly take our burden, but the weight is in our heart and beyond their reach. It is delicately told in the following lines:

"Our crosses are hewn from different trees,
But we all must have our Calvaries;
We may climb the height from a different side,
But we each go up to be crucified;
As we scale the steep, another may share
The dreadful load our shoulders bear;
But the costliest sorrow is all our own—
For on the summit we bleed alone."

THE PRACTICAL SIDE

SENTIMENT is the verse makers home field, but once in a while one gets into the decidedly practical. Such is the following, which touches a truly natural life spot, and gets very close to the key to success. Unless one loves his work his heart can scarcely be in it, and without that he labors at a disadvantage, and his success is an unknown and doubtful quantity:

I haven't much faith in the man who complains
Of the work he has chosen to do.
He's lazy, or else he's deficient in brain,
And—may be—a hypocrite, too.
He's likely to cheat, he's likely to rob;
Away with the man who finds fault with his job!

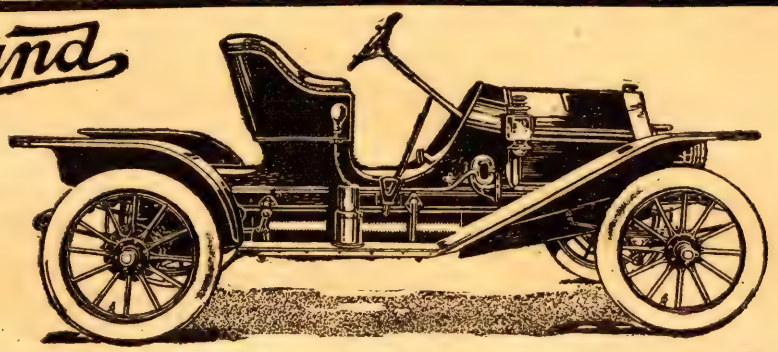
But give me the man with the sun in his face,
And the shadows all dancing behind;
Who can meet his reverses with calmness and grace,
And never forget to be kind;
But whether he's wielding a scepter or swab,
I have faith in the man who's in love with his job.

DREAMING OF THE FARM

A great deal is said about the American rush from the farm to the city, but it is no more an American rush than it is a world rush. The tendency everywhere seems to be to get out of rural life and into the congregated, may we not say the congested life of town and city. And elsewhere as here, the boy that leaves the farm, no matter what his success elsewhere, never gets done dreaming of the old farm home. The following form the Scottish Farmer, published at Glasgow, Scotland, is as true of the American farmer boy as it is of the boy of Scotland:

"When a farmer's son leaves the country to make his way in the town he carries with him the love of his earliest surroundings. To the end of his days he likes to talk farming whenever chance gives him the opportunity of a chat with a country man. The worries of a business career are brightened by a vision of a little farm which he will buy, and to which he will retire when he has made a competence, there to spend the remainder of his days in buying and selling cattle, watching the growth of his crops, and finding out for himself whether fowls can really be made to pay. In the meanwhile, the most delightful holiday for him is to take a fork in the hay field, to enjoy an afternoon nap on the fragrant grass, and to walk all over the farm, talking with every worker about his work. That would be his holiday, and the model farm would be his place of retirement in later years."

The Overland



The 25-horsepower Overland as shown in picture costs $1,000. The wheel base is 102 inches. Same car with single rumble seat costs $1,050; with double rumble seat, $1,075; with complete toy tonneau, $1,100.

The Most Popular Car In the World

Over 20,000 people will this year buy Overlands—the simple, trouble-proof, economical cars—the best value ever given.

There are many able men making automobiles, and there are many kinds of pretty good cars.

But one of these cars—the Overland—has come to lead all the rest. In but little more than two years—in spite of all competition—it has become the most popular car in existence.

Such a car, as you know, must be a remarkable car. It is a car which you should investigate.

Simple—Economical

The Overland has fewer parts than any other automobile. Many experts have worked on it to remove the complexities—to make the car trouble-proof.

Wherever possible, they made one part to take the place of many. They have made a car which almost cares for itself. Many a man has run it thousands of miles without even cleaning a spark plug.

They devised the pedal control. One goes forward or backward, fast or slow, by simply pushing pedals. It is so simple, so natural that a child can master the car in ten minutes. A young woman is now driving one of these cars from the Atlantic to the Pacific.

They have made a car which always keeps going, regardless of roads or weather. A car which has run 28 miles on one gallon of gasoline. A car which has been operated over thousands of miles at a cost of ¾ cent per mile.

Some of Its Users

Overlands have been used for a year and a half in the U. S. Mail service. Their daily trips are from 60 to 75 miles. These cars have never missed a trip—never delayed the mails for a moment. Yet at times they have run when the snow was so deep that all other traffic was stopped.

Numerous large concerns are supplying Overlands to their country salesmen. Among them are the J. I. Case Threshing Machine Co. and the Altman & Taylor Machine Co.

One ranch in Texas has lately bought 15 Overlands for the use of their cowboys. It found that 15 men in Overlands can do more than 50 men on horses.

The Overland is selected for all these uses because any man can always keep it going.

The Greatest Value

No other maker begins to give what the Overland gives for the money. One reason is our enormous production. We often turn out 140 cars per day.

Another reason is our extensive use of modern automatic machinery. Over $3,000,000 has been invested to make Overland cars economically.

Every part, by some special machine, is made in the most economical way. Many are made at a tenth of the usual cost. Yet they are made with exactness such as hand work never gives.

In these ways and others we have cut the cost of Overlands 20 per cent within the past year alone.

Note the Result

We are now selling a 25-horsepower Overland for $1,000. The wheel base is 102 inches, the power is sufficient for any road or hill, the possible speed is 50 miles an hour.

We are selling a 40-horsepower Overland with single rumble seat, for $1,250. The wheel base is 112 inches. Other styles for $1,275, $1,400 and $1,500.

There are thousands of men—some of them right around you—who know that the Overland is the most desirable car that was ever created. If you will send us this coupon we will tell you all of the reasons, and send pictures of all of the cars. Send it now, before you forget it.

We have dealers in 800 towns.

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The Willys-Overland Co.
Toledo, Ohio
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Please send me the catalog free

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SECRETLY CURED OF DRINKING

The Wonderful Remedy Which Mrs. Mock Used on Her Hucband.

To the Editor:—

I want to tell all the readers of this paper that I discovered a genuine and perfect cure for constant liquor drinking. Mr. Mock had the habit which gradually grew worse. He couldn't leave the farm without getting his fill of liquor.

With the drink habit there came rheumatism and catarrhal troubles. Then, also, his stomach was generally in bad condition. I had tried every means of curing him and he wasted a lot of money on preparations that I got from several firms, but to no purpose. He did not want to be cured. But at last I heard about the good that was being done by the remedy of Mr. Edward J. Woods, whose address is 534 Sixth Avenue, 434 B, New York., and wrote to him telling him about the case. He sent me, free of cost, a very interesting book and then I got his preparations which I began to give secretly to Mr. Mock. The effect was magical. He quickly began to express his disgust for drinking and lost all desire for whisky, gin or other drinks. It is marvelous how quickly and easily Mr. Mock was completely cured. He stays at home now at times when he used to be drinking in bar-rooms and he is an entirely changed man. He thought a miracle had been worked upon him until I told him the Woods secret remedies had cured him. He was very grateful and now he realizes what it means to be sober. He is always happy now and so am I, as it means so much to me.

I know there are many other women who are discouraged about their husband's or son's drinking habit, but they ought to cheer up right away and write Mr. Woods at the above mentioned address. He is a fine man, a confidential letter writer and a true friend. Please publish this.—Mrs. Sarah Mock.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

Cadets and Pioneers of Equity! The Cadets are still growing as rapidly as ever, and if it were possible to publish all the letters we receive, we would show to the public the most interesting circle of young people the world has ever known. And the Pioneers of Equity is a working force that will be honored in the future as are now honored America's pioneers of civilization. When people read the truth they accept it, and those who induce the people to read and study the philosophy of Equity pave the way for Equity in all the social and business relations of life. Obtain five subscribers for UP-TO-DATE FARMING at 25 cents a year; send $1.00 to UP-TO-DATE FARMING, Indianapolis, Ind., retaining the other 25 cents for yourself, and that makes you a Pioneer of Equity, with all the honors of a worker in that good cause.

Read the interesting letters that follow:

Dear Cadets: I am a Kansas girl 21 years old. I hope I am not too old to join the happy Cadets. I live on a farm of 160 acres, five and a half miles south of Peabody. We have lived here for 20 years. My father was a soldier, and he tells a great many interesting war stories. He served for 9 years in the recorder's office in Ohio, and was a high school teacher for many years. He is 78 years old, and there are 9 children in the family, all living, and we are proud of our father and mother. We have a piano, and many young friends come in of evenings, and we have delightful times.

We now have 400 little chickens; and we have a large apple orchard, with a prospect of about 400 bushels of apples, as well as peaches, pears, apricots, and plums. We have walnut and mulberry groves. You can have everything in the country but you can't in the city.

I milk three cows myself, and take care of the milk and churn. Father gives me a cow and calf. He has 40 head of steers and 20 hogs. Mother is 67 years old, and I am the only girl at home, so I have plenty of exercise with my pets, the broom, duster, cooking implements and dish pan. We children are all Buckeyes, having been born in Ohio. I would be glad to exchange cards with the Cadets.—Glenna May Jordan, Peabody, Kansas.

Dear Cadets: I am a boy 10 years old. I live on a farm of 80 acres, where we have 3 horses and 3 cows and calves. I have gone 6 months to school, and I am ready for the third reader. We take Up-to-Date Farming and I think it is fine. We have 60 stands of bees. We have 3 acres of cotton, 8 acres of corn, and 10 acres of meadow. I would like to exchange cards.—Chester Barnett, Idalia, Mo.

Dear Cadets: Will you admit a girl from the Empire State of the South? I live in the country, and like it better than the city. We raise most anything out here. I like to go to school, but our school closed in May with a picnic. I sure enjoyed myself that day. I am 16 years old, have dark brown hair and eyes and dark complexion, am 5 feet tall and weigh 125 pounds. I wish some of the Cadets would come and help me pick blackberries. I like Up-to-Date fine, and I would like to exchange cards.—Annie Giles, Deepstep, Ga.

But when we get this in the paper it is too late to pick blackberries in Georgia.

Dear Cadets: It gives me great pleasure to write to your page. I think Up-to-Date is the grandest paper ever published, for it gives us boys and girls a chance to write and learn about other places. I live about a mile from church. We have Sunday school every Sunday, preaching every other Sunday and singing in the afternoon. I agree with Nellie Merrinan that farm life is the sweetest life any one can live. The oat and corn crops are good enough for a preacher in our community.

Say, girls, how do you like to go to parties? I like it fine if they are conducted in the right way.—Orby Malock, Emerson, Ark.

Dear Cadets: I am a Virginia boy, away back in the mountains, and live on a farm of 255 acres. I like farming very much. I think Up-to-Date is a fine paper, and I am very much interested in the Cadet letters. We raise corn, wheat, oats, tobacco and tomatoes. We have 84 canning factories in our county, and almost all farmers raise tomatoes as a money crop. We have all kinds of fruit, and can raise all kinds of vegetables—everything that is good to eat. I am 24 years old, am 5 feet 10 inches high, and weigh 154 pounds. I would like to exchange cards with any of the Cadets.—J. Willie Powell, Munford, Va.

Dear Cadets: I am a girl 9 years old, and live on a farm. We take Up-to-Date and we all like it. I like to read the Cadet letters. I go to school in the winter.—Flosie May Storner, Bridge, Ohio.

I wish you could see the big pile of unprinted letters that now lie before me. The Cadets are a truly progressive, up-to-date class of young people, that will some day make their mark in the world. We wish to boom the Pioneers also, for they will boom UP-TO-DATE FARMING.

DAISY FLY KILLER placed anywhere, attracts & kills all flies. Neat, clean, ornamental, convenient, cheap. Lasts All Season. Made of metal, cannot spill or tip over, will not soil or injure anything. Guaranteed effective. Of all dealers or sent prepaid for 20c.



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Beautiful Prize Free!

We Want You to arrange these four groups of letters into the names of four Cities of the United States. To every one who answers this puzzle and names not less than three of the Cities correctly we will give a prize of a set of our handsomest Silk Embossed Birthday and Floral Motto Post Cards in beautiful colors. When you answer send 2 ct. stamp for mailing expense. We also give $50 in cash and many other big prizes aside from the above to those who answer this advertisement promptly and who will help us introduce our paper. Address at once,
PUZZLE DEPT., 610 Jackson St., Topeka, Kan.

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50 New Briggs' Transfer-Patterns THE LARGEST ASSORTMENT EVER OFFERED FOR ONE NEW SUBSCRIPTION TO THE AMERICAN WOMAN

We will send this complete assortment of new transfer-patterns—containing **over fifty different designs**, and a complete **alphabet** of 26 letters—absolutely free, and postpaid, to everyone who will send us **one new yearly subscription** to The American Woman at **25 cents** (35 cents in Canada). This is one of the most popular household, home, and family magazines published. Its short stories and intensely interesting serials are a treat for all. Its departments and editorials help all. In short, it is a magazine that all enjoy.

This set can be used for making more than **100 different articles** and would cost you about **$5.00** to have stamped at your dealers.

These are the easiest patterns to use ever made, which accounts for their great popularity. By simply placing a hot iron on the back of the pattern, the design is transferred to any material.



Read This List Through

It will give you an idea of the extent of this assortment. You will see that it is one that **every woman can make use of,** one that **every woman needs.** We cannot give all of the articles that can be made from these patterns, as we have not the space. The same design may be used for a great many different articles that will suggest themselves to every woman, once she has the assortment.

The illustration can show but a few of the articles, but just note what **exclusive** and **beautiful patterns** are shown. They are exact drawings from garments made from these patterns.

Shirtwaist-Set, consisting of Waist-Front, Collar, Cuffs and Belt to be worked in Eyelet-, French, or Solid Embroidery.

Hat to match the above waist.

Set of Sprays for Underwear, Shirtwaists, Children's and Babies' Clothes or Fancy Articles: comprising Roses, Violets, Forget-me-nots, Buttercups, Wild Roses, Daisies, Strawberries, etc. To be worked in the embroiderer's favorite stitch.

Picture-Frame for regular-sized photograph. To be worked in Outline, Solid, Wallachian or French Embroidery.

Dutch Collar, latest style, to be worked in French and Eyelet- or Solid Embroidery.

Princesse Dress or Waist and Skirt. Comprising two distinct panels to be Braided with Soutache, Rat-Tail or Coronation-Cord.

Set of Wreaths and Corners for Handkerchiefs, Table-Covers, Cases, Baby Pillow, Sachets, and to Enclose Initials.

Chatelaine Pocket, to be worked in French and Eyelet- or Solid Embroidery, Edge to be Buttonhole-Worked.

Shirtwaist-Set, consisting of Waist-Front, Collar, Cuffs and Belt to be Braided with Soutache, Rat-Tail or Coronation-Cord.

Hat to match the above waist.

Set of Jabots and Tie-Ends, comprising Two Jabots and Four Tie-Ends to be worked in French, Eyelet- or Solid Embroidery.

Baby's Bibs and Yokes for French, Eyelet- or Solid Embroidery.

Set of Anchor Emblems for Ladies' Sailor-Blouse, Children's Sailor-Dress or Boys' Shield. To be worked Solid or in Outline.

Set of Star Emblems for use with the Anchors, and for Fancy Articles. To be worked Solid or in Outline.

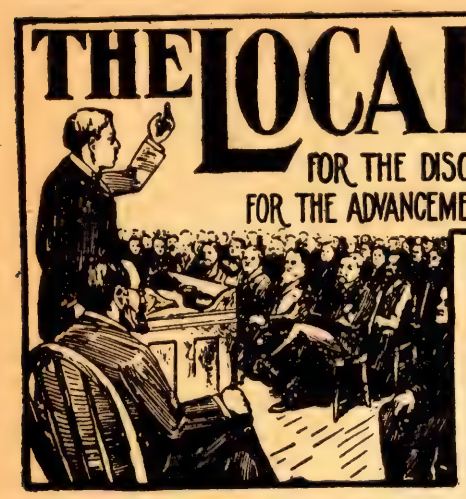
Complete Alphabet of New Fancy Letters, Suitable for Marking Underwear, Handkerchiefs or Fancy Articles, and may be Enclosed in Wreaths previously described.

Work-Bag, to be worked in French and Eyelet- or Solid Embroidery.

Chemise, Corset-Cover and Yokes, Back and Front with Flower-Sprays. To be worked in French, Eyelet- or Solid Embroidery.

This set was made up specially for us and cannot be obtained elsewhere. The patterns are easily transferred to any material, and the garments may be made and cut in any style the wearer chooses. They are used for Ladies' and Children's Garments, Household Linen, and Fancy Articles. Don't fail to get this outfit. GET IT NOW.

THE AMERICAN WOMAN, Augusta, Maine



Up-to-Date Farming

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING CO., Inc.
Indianapolis, Ind.

J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

SUBSCRIPTIONS

SUBSCRIPTION PRICE. Two Years for 50c.

FOREIGN SUBSCRIPTIONS, **Including Canada.** Two Years for $1.00.

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Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

OFFICERS

President, J. A. Everitt, Indianapolis, Ind.
Vice-President, W. E. Greilick, Traverse City, Mich.
Secretary-Treasurer, I. C. Rous, Indianapolis, Indiana.

DIRECTORS

President and Vice-President, and the following: N. M. Ashby, Sebree, Ky.; J. M. Myers, Ramsey, N. J.; R. Sherod, Keosauqua, Ia.; W. H. Mitchell, Hutchinson, Kan.; L. H. Johnson, Attica, Ind.; S. W. Morris, Rochester, Minn.

This number of UP-TO-DATE FARMING brings each of its 140,000 subscribers face to face with an opportunity he never had before. It marks the beginning of a new era in American agriculture.

—o—

"If there is an ill seek the cause," is an old saying, and we will add, seek a remedy.

—o—

The greatest ill of American agriculture is the Produce Exchange and blind market system of marketing crops. Following we prescribe the only cure. It is the Equity System of Marketing.

—o—

As the trouble affects every crop and every farmer so the cure will apply to every crop and bring relief to every farmer. This is not merely an empty statement, a boast. The system will bear the minutest inspection. It is practical. It will do what we claim for it.

—o—

Farmers must have an exact knowledge of their business as other successful business men have. Through the Equity System of marketing, and only through it, they can obtain an exact knowledge of crop conditions and yields, the demand and where it is. Also through the Equity System established the supply can be sent straight to the demand.

—o—

The Equity System of Marketing is unquestionably the only practical one for agriculture that will compel profitable prices for all crops marketed and reduce the cost of living, as far as food is concerned, to what it ought to be. Also the good influence on every line of commercial activities that this System will have, when substituted for the Produce Exchange System, cannot be estimated. It challenges the study of economists and merits the support of all people and institutions who seek more certainty and more equity in business.

—o—

A proposition more vital to farmers' business success could not be presented to them. The idea that producers of all crops can have personal, experienced, responsible representatives on all markets to receive their shipments, see that they are honestly graded, sold for the highest market price and correct returns sent, is a new one. And more, the certainty that the producers of the crops will soon have absolutely all to say about the prices their crops shall sell for, while bordering on the prophetic is about to be realized.

The Equity System will transfer the price making power from gambling or speculating boards of trade and exchanges in the cities to the farmers who produce the crops; from the organized interests in the cities to the organized farmers in the country. This cannot be done by any kind of a proclamation, but it will be accomplished gradually by the farmers themselves, through the carefully thought out and practical plan of **the EQUITY SYSTEM.**

—o—

The direct shipping, the saving in freight, honest grading, insurance against misrepresentation, the highest market price and honest returns should impel producers of all crops— grain, live stock, fruit, vegetables, poultry, eggs, dairy products, hay, broom corn, cotton, tobacco, etc.— to use the EQUITY SYSTEM.

—o—

The Equity System is exclusively for the members of the Farmers Society of Equity. By confining its benefits to such it will prove the greatest incentive to build up a powerful co-operative farmers' organization. Understand us, all the time that the society is building up the members will be making more money because of using the Equity System of marketing.

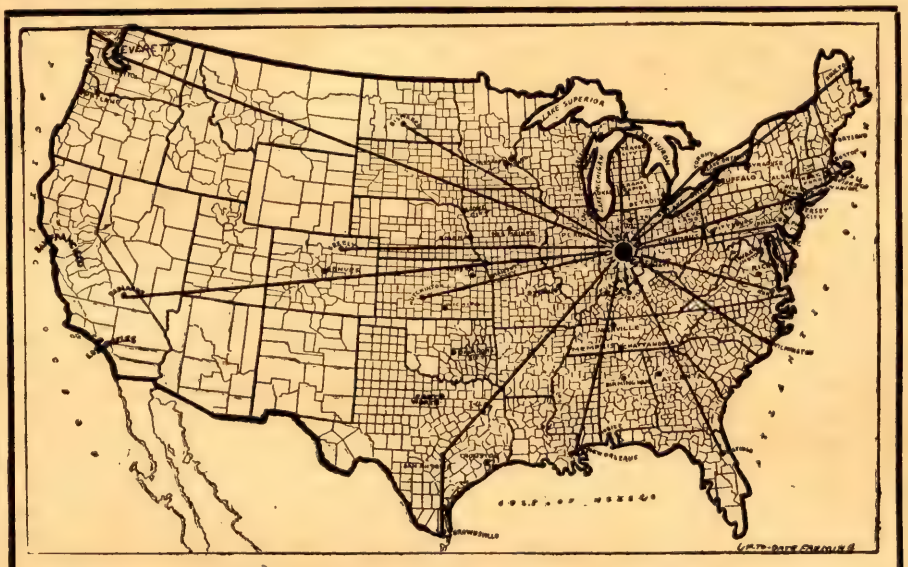
—o—

The Equity System is established in the following markets and others will be entered until every city and town that buys in car-load lots is included:

ALABAMA—Birmingham, Huntsville, Mobile and Montgomery.
ARKANSAS—Ft. Smith, Little Rock and Pine Bluff.
CALIFORNIA—Los Angeles.
COLORADO—Denver.
DISTRICT OF COLUMBIA—Washington.
GEORGIA—Atlanta.
ILLINOIS — Cairo, Chicago and Peoria.
INDIANA—Evansville and Indianapolis.
KENTUCKY—Louisville.
LOUISIANA—New Orleans.
MARYLAND— Baltimore.
MASSACHUSETTS—Boston.
MICHIGAN—Bay City, Detroit and Grand Rapids.
MINNESOTA—Minneapolis and St. Paul.
MISSOURI—Kansas City and St. Louis.
NEBRASKA— Omaha.
NEW YORK—Albany, Binghampton, New York, Rochester and Syracuse.
NORTH DAKOTA—Grand Forks.
OHIO—Cincinnati, Cleveland, Columbus and Toledo.
PENNSYLVANIA — Johnstown, Philadelphia, Pittsburg, Scranton and Wilkesbarre.
SOUTH CAROLINA—Columbia.
TENNESSEE—Chattanooga, Knoxville, Memphis and Nashville.
TEXAS—Dallas, Ft. Worth, Houston, Galveston and San Antonio.
UTAH—Salt Lake City.
VIRGINIA—Richmond.
WISCONSIN—Milwaukee.

—o—

It is impractical to print in this advertisement full instructions for using the System, besides certain details and features are guarded for the exclusive benefit of the members of the Society. Therefore we have a pamphlet giving the name and address of each manager, a list of the articles the markets require, instructions for shipping and various other data, indespensible in using the System. Also the key and instructions,



This map illustrates the EQUITY SYSTEM of directing the marketing of farm crops. The points from where the lines diverge is Indianapolis, the headquarters of the FARMERS SOCIETY OF EQUITY. The lines are represented as terminating at a County Union of the Society which reports the supply of farm produce in the county to headquarters. If this feature of the System would be illustrated in full there would be a line running to every agriculture county in the country, about 2,500.

The advantage of this System is in the fact that it will easily, quickly and cheaply records all the supply of farm crops in the country on any day, where it is and on what railroads it can be shipped. It also will record all the demand for any and all crops, and where it is. It is then a simple clerical operation to direct the supply by the shortest and cheapest route to the demand. Thus no market need be glutted, but each will get its share. The result will be more consumption and steady and equitable prices.

The telegraph companies have made a special rate of 50 words for the old charge for 10 words. Thus a 50 word message can be sent from Cal., Ore. or Wash. to headquarters for $1.00; from the southern point in Tex. for 75c; from Central Tex., La., Miss., Fla., Eastern Me., Colo., N. D., etc., for 60c; from N. C., Tenn., Va., Pa., N. J., Wis., etc., for 50c; from nearer points for 25c to 40 cents. The average cost will be about 50 cents. One message of 50 words will send the summary of the crops in a county any day to headquarters. Suppose 2,000 counties would have something to sell every day, then at a cost of $1,000 a report of all farm crops in the whole country and exactly where they are could be obtained. Will any one question the wisdom of such an investment with the years of glutted markets and unprofitable prices back of him?

Become a member of the Farmers Society of Equity and get a full understanding of the EQUITY SYSTEM and a new education on marketing crops. **Send the coupon in lower right hand corner of this page NOW.**

USE THIS BLANK BEFORE YOU MARKET ANY CROPS

1 DOLLAR

FARMERS SOCIETY OF EQUITY
Indianapolis, Ind.

GENTLEMEN: I want to be enrolled as a **Member-at-Large** in the **Farmers Society of Equity** and be entitled to all the benefits thereof.

I enclose $1.00. Please send me by return mail a member's card, button, the official paper, UP-TO-DATE FARMING, one year, the Key to the Equity System, how to use it and get the benefits of it, books, blanks, etc. (If a subscriber to UP-TO-DATE FARMING now your time will be extended a year for this payment.)

My
Name .....

R. F. D..... P. O. .....

County ..... State .....

Are you a subcsriber to
Up-to-Date Farming now? .....

$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K1867 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

and the co-operation of headquarters of the Farmers Society of Equity and the managers on the markets is necessary to enable each farmer to ship his produce to the logical market and get the best price.

—o—

Therefore any producer of any crops, if not a member of the Farmers Society of Equity already should become one at once. If there is a local union at your station join it. The membership fee is $2.00. If no local union there use the coupon herewith and send $1.00 and become a member-at-large.

—o—

If you are tired of being "easy marks" for a set of people who live by their wits and because of your defensless condition send the coupon and get ready to market your crops through the Equity System.

—o—

Now that the harvest is on and will continue for months it is proper that we sound the warning "beware of the crooks" and advise you to use the Equity System of Marketing which will ultimately make you complete master of marketing your crops and the prices thereof.

—o—

Don't waste any time sending the coupon and getting ready to use the System. No difference how you have marketed before, when you get the key to the Equity System and instructions for using it, and the co-operation of headquarters and the various managers you will see that it will save you time, expense, worry and give you more money. It is positively indispensible to any farmer who wants to get the most money for his crops.

—o—

Will you turn such an opportunity down without at least a trial? If you will we can say frankly that you deserve to have the exploiters on your back all your life. Each one who embraces this opportunity will find it the best "move" he made in his life, and each one brings the time nearer when farmers will secure their complete industrial freedom through co-operation in marketing.

—o—

Will you throw this opportunity away when it costs you—well, a bushel of wheat, or three of oats, or two of corn, or five dozen of eggs, or seven pounds of cotton or tobacco, or two bushels of apples? Why, as true as we say it, if you save the dollar now the exploiter will take a hundred or more from you as the penalty as they have been doing every year since you were farming.

—o—

Send the coupon and get the confidential instructions by return mail.

FARMERS SOCIETY OF EQUITY
Indianapolis, Ind.

PRODUCE EXCHANGES VS THE EQUITY SYSTEM

(Concluded from page 5)

been such lack of money as to hamper marketing the crop.

14. If the "bulls" and "bears" must rest their case on that "reasonable stable level of prices so characteristic of the products dealt in upon our modern Produce Exchanges" and if they are responsible for such stability(?) of prices then the result of their activities is the greatest argument why they should go and the system that sustains them should go with them. Compared with all other commodities, those speculated in on boards of trade are the least stable for prices.

19. This condition is the very strongest argument in favor of the Equity System of Marketing. In this new system all the supply and all the demand will be known and the mistake of exporting grain that is needed at home need not be made. What is reported as occurring in Germany is in line with what occurs in this country, under the Produce Exchange System, nearly every year. Note how grain flows out of the producing sections to the Eastern cities and much of it is sent back again to supply the demand. Thus much wheat that was produced in Kansas is stored in Buffalo or New York City only to be returned to the Western States to be ground and then, perhaps, the flour shipped to the Eastern States.

20. Admitting that there is a difference in the methods of the boards of trade and bucket shops, yet on the average patron of either the effect is the same. Also we have a suspicion that the Chicago Board of Trade is more interested in closing the bucket shops to increase its "margin" business than from any special concern for the public.

In conclusion:

We have not printed these articles with the idea of recommending reforms in the exchange system of marketing farm crops as we believe the Equity System is superior to it in every respect and should be completely substituted for it. We respectfully submit to a discriminating public the articles and our criticisms, comments and recommendations. It has not been practical to explain the new system in detail in these articles so to those who seek further light we recommend them to send for a book, Farmers Industrial Freedom and a supplement thereto, price 10 cents.

BEST GROCERY OFFER EVER PUBLISHED

READ EVERY WORD OF THIS WONDERFUL OFFER

Chicago House Wrecking Company saves you 20 to 60 per cent on new, clean merchandise of every kind. Here is one sample of our money saving offers:

$15.56 Worth of Fine Groceries for $10.00

Order by Lot No. 15 A. D. 1000	Regular Retail Price
25 pound sack, finest Eastern Cane sugar	$1.50
4 pounds Special J & M. coffee, reg. 35c grade	1.40
2 pounds High Grade Tea, regular 50c quality	1.00
1 pound can Pure Baking Powder	.25
5 pound package Extra Fancy Japan Rice	.40
10 pound package Strictly Fresh Rolled Oats	.50
10 pound pckg. Fancy Snow White Navy Beans	.80
1 pound package Premium Baker's Chocolate	.40
3, 1 pound packages Pure Baking Soda	.25
6 pound Wooden Box Laundry Gloss Starch	.50
10 Bars Extra Large Size Laundry Soap	.50
1, 4 pound package Washing Powder	.20
3 large size cans Lye	.25
1, 8 oz. Can Fresh Ground Black Pepper	.25
1, 8 oz. Can Fresh Ground Dry Mustard	.25
1, 4 oz. Can Ground Cinnamon	.15
1, 4 oz Can Ground Cloves	.15
1, 4 oz. Bottle Pure Vanilla Extract	.50
1, 4 oz. Bottle Pure Lemon Extract	.45
3, 5c Packages Yeast Foam Dry Yeast	.15
3 Tall Cans Fancy Red Salmon	.50
3 Regular 20c cans Sardines in Olive Oil	.60
3 Cans Extra Quality Fancy Ripe Tomatoes	.36
3 Cans Extra Quality E. J. Peas	.36
2, 10c Packages Corn Starch	.20
5 pound package Large size California Prunes	.60
3 pound packages seeded raisins	.35
2 pound packages Cleaned Currants	.24
1 gallon can Fancy Table Syrup	.75
1 gallon can High Grade Cooking Molasses	.75
10 pound box Fancy Soda Crackers	1.00
Total Regular Retail Price	$15.56

ALL THE ARTICLES IN THIS LIST FURNISHED FOR..... $10.00

Fill in this Coupon for our Grocery List.
Chicago House Wrecking Co., Dept. 204 Chicago.
Send me your grocery list regularly every 60 days.
Name.....
Town.....
State ..... R. F. D.....

Send For "Grocery Price Wrecker"

is issued every 60 days. Contains a complete up-to-date line of excellent quality groceries. Prices save you 20 to 60 per cent. Send coupon for our grocery "Price Wrecker," saves money on your daily needs. Our stock includes everything under the sun.

CHICAGO HOUSE WRECKING CO.
35th and Iron Sts., Chicago

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

Agents Wanted

AGENTS—Handy Hame Fastener. 200 per cent profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

WANTED—Lubricating Oil Agents to take orders on commission for our line of Lubricating Oils, Greases, etc. Also House, Barn and Roof Paints. Address Allen Tibbitt, Prop. The Lakewood Oil and Paint Specialty Co., Cleveland, O.

Dogs

COLLIE PUPS—Males, $4.00; females, $3.00. Price good for July only. Z. E. Swonger, De Graff, O.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 384 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

For the Home

RICE—100 pounds, beautiful, clean white table rice, delivered in double sacks, freight prepaid, to your railroad station, $4.60. J. Ed. Cabaniss, Rice Farmer, Katy, Texas.

Ginseng

GINSENG—best paying crop grown. Ginseng Culture free. Write for prices. W. N. Long, Florence, Ky.

Male Help Wanted

SALESMEN WANTED—We pay cash each week, pay expenses while canvassing, give exclusive territory and furnish complete canvassing outfit free. Experience in our line not necessary. Write today for particulars. Planters, write for special prices. The Griesa Nurseries, T. E. Griesa, Prop., Lawrence, Kas.

WANTED—Buyers for nice new 40 pound feather beds at $10.00. The Stokes Furniture Company, Burlington, N. C.

LOCAL REPRESENTATIVE WANTED. Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Addrss E. R. Marden, Pres. The Nat'l Co-op. Real Estate Co, Suite 511 Marden Bldg., Washington, D. C.

Orchard and Nursery

FARMERS, WAKE UP! And grow seedless fruit. It will be dollars in your pockets. Full instructions sent for $1.00. Martin Co., Box 74, Redding, Cal.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

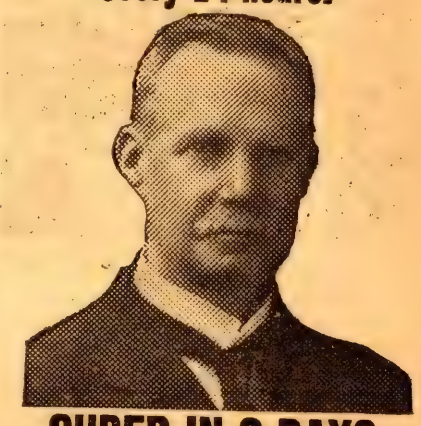
PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure, pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

I WAS A Heavy Drinker

Consumed quart of whiskey every 24 hours.



CURED IN 3 DAYS

If you know anyone who drinks alcohol in any form, regularly or periodically, let me send my FREE book, "Confessions of an Alcohol Slave."

I drank beer at first, then gradually developed into a drinker of strong liquors. When drinking heavily I wouldn't hesitate to pawn my coat or break a saloon window to get spirits. For long periods I would drink over a quart of whiskey, rum or gin daily. And some mixed drinks and beer additionally!

I damaged business, health and social opportunities, made family miserable, lost real friends and became an unworthy, unwelcome burden upon all except the saloonkeepers, who cheerfully took my money for the poison they gave me.

For 16 years I kept it up, and I was regarded as a hopeless case. Various "cures" did me no good. But now I have **a joyful message** for drinkers and

Mothers, Wives, Sisters

While drifting from bad to worse, as all slaves of King Alcohol do, I unexpectedly **found a true cure.** It was (and is) genuine. It saved my life. **My health was quickly restored.** I became and am a respectable man, enjoying every benefit of freedom from the accursed alcohol. I speedily and naturally lost all desire for drink. I took less and less. I began to prefer tea, coffee and other non-alcoholic liquids; the **craving for liquor ceased,** I could sleep perfectly, my stomach became well and I recovered from other ailments which I now know were due to my indulgence in strong drink.

WONDERFUL

My cure lasted 3 days; if I had relied upon will power or faith I would still be a drunkard, because an alcohol slave has **no will power while drinking.** I rejoiced so greatly at having found a true cure that I decided to devote my life to removing the curse from others. My success has been marvelous. During eight years **I have personally attended to over 6000 men and women who were addicted to drink;** the list includes very many persons notable in all walks of life, including those of brains and those of physical energy. If I were permitted to mention names of those who have been saved through this *quick, permanent cure* the public would be astonished. They include senators, congressmen, public officials, great lawyers, bankers, clergymen, noted merchants, skilled mechanics, trusted managers and clerks, farmers and others in all vocations.

I tell about the secret in my book, which I send **FREE** to every person (or relative or friend) who takes alcohol in any form to excess. My one purpose in life is to **cure the drunkard.** I rejoice in every cure, each victim has my sympathy. What I promise is absolutely guaranteed. My remedy is for either **steady or periodical drinkers.** Think of it—a **complete and permanent home cure between Friday night and Monday night**—or any other 72 hours!

Men or Women, Any Age, Quickly Cured. To relatives, friends or employers I say—if you want to cure a drinker in the quickest time and permanently, with or without his knowledge and with absolute safety, read my book—changes despair to joy.

ABSOLUTELY FREE

I will send you my book, in plain wrapper, promptly, postpaid. It tells of my own career and the wonderful discovery and gives valuable advice. No other book like it. I especially appeal to those who had wasted money on treatments or remedies which have no lasting effect. Remember, **it costs nothing** and you will always be glad that you wrote. Correspondence strictly confidential. Cut this out if you cannot write to-day. **Address:**

EDWARD J. WOODS,
534 Sixth Ave., 434 B, New York, N. Y.

20 Beautiful Post Cards 10c

No Two Alike — Latest Designs

Lovely assortment of 20 Artistic Birthday, Friendship, Good Luck, Roses and Flowers in exquisite colors, all for only 10cts. if you answer this ad immediately.
J. H. Seymour, 234 W. Eighth St., Topeka, Kan

BED WETTING Cured. 25c pkg. FREE C. H. ROWAN, Dept. 72, P.O. Drawer 194, Chicago

DON'T FAIL TO MENTION UP-TO-DATE FARMING when writing our advertisers

CANCER CAN BE CURED at home without a knife. Write to the originator of a remarkable remedy. SUSS MFG. CO., DEPT. B. VISALIA, CALIFORNIA, for particulars.

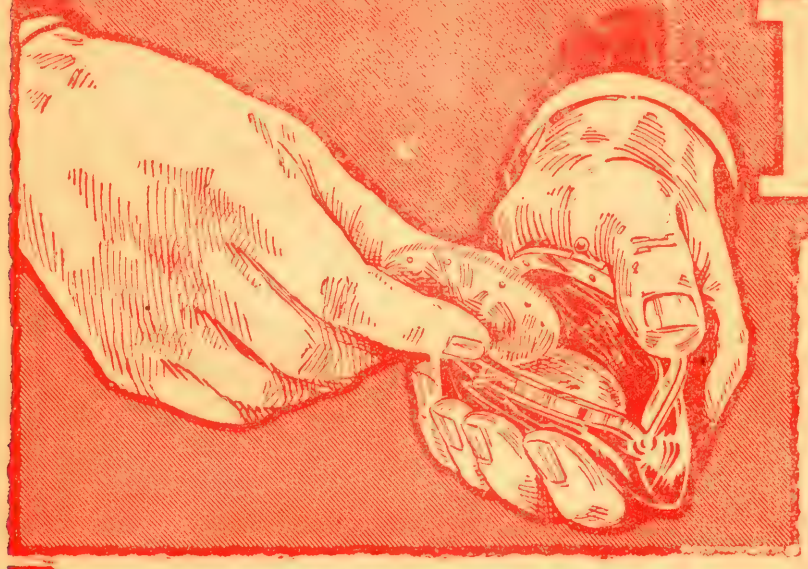
TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.



GOLD WEDDING RING FREE

Send for 10 packages of our beautiful silk and gold embossed post cards to distribute at 10c each. Return us the $1 when collected and we will send you by return mail this very fine 18K gold filled heavy band ring, not the cheap kind. Address R.F. MOSSER, 332 Household Bldg., Topeka, Kan.

Here Is Your Dollar



Say It When You Are Sure

Write for it today, using the coupon on this page, but don't send a penny in your letter. Don't even enclose a stamp. Just ask for it—that's all. *We pay all the postage, we stand all the expense, we take all the risk.* We want you to get it, to use it, to see what it does for you, to learn what it is, to learn how it acts, how it cures. When you learn all this, when you are satisfied, then you can say "*Here Is Your Dollar*" and we will be pleased to get it. If you are not willing, glad and happy to say it, we don't want a penny from you. We won't ask for pay or dun you—we leave it all to you. This is how we are offering Bodi-Tone to every reader of this paper who is sick, ailing or in poor health. *This is how one hundred thousand people have already tried Bodi-Tone*, the new medicine for the sick, which has cured thousands of sufferers during the past year, including many of the readers of this paper. Many of your neighbors are using it and we want you to use it. We want *you* to try a *full-sized one dollar box* of Bodi-Tone at our risk and expense, so that *you*, too, will get to know the great curative and restorative forces in this extraordinary medicinal combination, which is rapidly proving its superiority over the common and ordinary proprietary medicines that have so badly disappointed the sick, and is curing sick men and women by the thousands.

Bodi-Tone

does just what its name means—*cures disease by toning all the body*, and we want you to try it and see what it will do for *your* body. Bodi-Tone is a small, round tablet, that is taken three times every day, either before or after meals, as you may prefer. Each $1.00 box contains seventy-five of these tablets, enough for twenty-five days continuous use, and we send you the full box without a penny in advance, so that you can try it and learn what it is, so you can learn how easy and simple it is to take, so you can learn how it works in the body, how it *cures stubborn diseases* by helping nature to tone every organ of the body. The composition of Bodi-Tone is not secret. Every one of the many valuable ingredients used to make this splendid remedy are well known to all doctors of all schools; each has a well defined, well known and thoroughly established place in the realm of medicine and is prescribed by physicians every day of the year. Each ingredient is named and fully described in the Bodi-Tone Book, which tells all about Bodi-Tone and is sent free to every Bodi-Tone user. You know just what you are using and know it is good and safe. Among the ingredients which compose Bodi-Tone are Iron, to give life and energy to the Blood, Sarsaparilla, to purify it, Phosphate to nourish the Nerves, Lithia for the Kidneys, Gentian for the Stomach, Chinese Rhubarb and Oregon Grape Root for the Liver, Cascara, which restores tone to the Bowels and Intestines, and Peruvian Bark for the General System. All these ingredients pull together to *restore health in the body*, each serves to build upon the others work, each one helps.

Highest Medical Authority

We claim no credit for discovering the ingredients in Bodi-Tone, each of which has its own well-deserved place in the medical books of most of the civilized world and all of which are recommended by the best modern medical writers and teachers. Many are prescribed regularly by the medical profession for diseases in which we recommend Bodi-Tone, most of them have been successfully used separately or in combination with other drugs for the treatment of innumerable diseases, but *the exact combination found in Bodi-Tone* is peculiar to Bodi-Tone alone and gives Bodi-Tone a curative and restorative power peculiar to itself, that has brought health to thousands during the past year's time. We simply claim credit for the formula which we have invented, for the way in which these valuable ingredients are combined, for the proportions used, for the curative force which thousands have found in Bodi-Tone, for the cures which make it different from other remedies. That is why we want to send a box on trial to you immediately, as soon as you write for it, for we know you will find it different and superior. Though Bodi-Tone is a scientific medicinal combination, most of the ingredients used in it are familiar to the common people, and are remedies which they as well as the doctors *know to be good*, remedies in which they can place the fullest confidence and which they know they can safely use. Bodi-Tone is right all through, from the first to the last ingredient, a remedy that knows its work in the body and does it in a way that satisfies the body-owner. It is a pure remedy that all the family, young and old, can use. It contains no narcotic or habit-forming drugs, it contains no ingredient that your own family doctor will not endorse and say is a good thing. It does not depend on killing pain with opium or morphine. It does not excite the body with alcohol, but it tones the body and cures its disorders with the remedies that nature intended to tone and cure the body or that power would not have been given to them.

Bodi-Tone

offers its valuable services to you right now, right from this page, if you are sick, if you need medicinal help, if your bodily organs are not acting as they should, if your body is not in right, natural and normal tone. This is what Bodi-Tone is for—*to help nature restore tone to the body*, to restore normal health, energy, vigor, vitality and strength. If there is anything wrong with your Kidneys, Bodi-Tone helps to restore tone to the Kidneys, helps to set them right. If there is anything wrong with your Stomach, Bodi-Tone helps to tone the Stomach, helps to set the wrong right. If there is anything wrong with your Nerves, your Blood, your Liver, your Bowels or your General System, the ingredients in Bodi-Tone, which are endowed by nature with a special action in these parts, go right to work and keep on working day after day, exerting always a well understood, definite action that produces curative results of the kind sufferers appreciate. If you have Rheumatism, Bodi-Tone, a splendid eliminant, helps to eliminate the Uric Acid from the system while it restores tone to the Kidneys, Stomach and Blood, thereby exerting a continual anti-rheumatic effect which makes it hard for rheumatism to obtain or retain a foothold in the system. Bodi-Tone should be used by all women suffering from any of the various Female Ailments, for its toning properties are especially valuable in such ailments. Bodi-Tone is especially urged for all chronic sufferers who have tried honest, reputable physicians at home and elsewhere without getting the relief and permanent benefit desired. If your local doctor is doing you no real good, if you have given him a real and honest chance to do what he can and the medical combinations he has used have failed, then give *this scientific, modern combination* of old-time remedies a chance to show what it can do for you.

Don't Put It Off

Why delay another day, when a trial of this new and proven medicine is yours for the asking? Why keep on suffering, day after day, when all you need do is clip out the coupon and mail it to us, to get a twenty-five days treatment of this great remedy, that has already put thousands on the road to health, that has made thousands glad and happy to say "*Here Is Your Dollar*," to pay for the health Bodi-Tone brought them. The curative powers of Bodi-Tone have been amply proven by one solid year of cures. It has been tested in thousands of cases, covering a great variety of ailments in both sexes, at every age, and the results obtained are more than sufficient to amply prove the wide curative value of this splendid formula. It was advertised right from the start as a remedy for *all* of the body and its aid has been sought by chronic sufferers from most of the important diseases which destroy the body's peace and comfort. Over one hundred thousand people have used it during the past year. Persons suffering from Rheumatism, Stomach Trouble, Kidney, Liver and Bladder Ailments, Uric Acid Diseases, Bowel Complaints, Female Troubles, Blood and Skin Affections, Dropsy, Piles, Catarrh, Anæmia, Sleeplessness, La Grippe, Pains, General Weakness and Nervous Breakdown, have tested Bodi-Tone and proven its value in such disorders. Their experiences have proven beyond a shadow of doubt that the Bodi-Tone plan of *toning all the body* is a right plan that helps to *cure* these and other disorders, that it is a *real aid to nature*. How Bodi-Tone has acted in these cases is best shown by the letters of praise received from former sufferers. Every day's mail brings its share, for the fame of Bodi-Tone is *spreading like wild-fire, because Bodi-Tone is doing the work* and proving its superiority over common remedies.

Reports of Cures

These reports are but a sample of the many we receiv every day. Read them and judge for yourself.

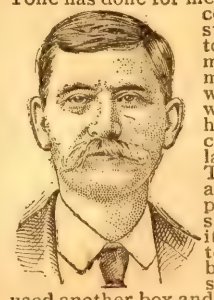
SHIPPENSBURG, PA.—Bodi-Tone has cured me. It is the right medicine for old people. I am sixty-four years old and am a veteran of the civil war. My system became poisoned and I never felt right thereafter. My nerves, too, were affected, and I had a great deal of Rheumatism. I tried different doctors without any permanent benefit or prospects of same. Finally the doctors said I had Lumbago and Kidney trouble and my stomach was not right. I would get dizzy in the morning when getting out of bed. I felt tired and worn-out, with no rest at night. In fact. I was all broken-up and could not stand any hard work. I had to get up often throughout the night. I have used four boxes with the following result: My Rheumatism is all gone, I can sleep all night, don't feel tired in the morning, have a good appetite and feel like working. Bodi-Tone has cured me of all of these troubles and I am feeling like a well man. I can and am going to recommend Bodi-Tone to all I meet who are not well. WILLIAM A. MYERS.



LONGMONT, COLO.—Bodi-Tone has proven a God-send to me. It brought me out of a severe attack of Rheumatism and has made me feel like a different person. The Rheumatism first came on me two years ago, when it settled in my left knee and I had to push a chair to walk. I was then sixty-one years old and thought my time had come to say good-bye to this world. It grew better for a time, but last spring it came on again and I believe I would still be suffering if I had not learned of Bodi-Tone. I saw the advertisement and it looked to me like an honest remedy, so I sent for a box. The first box checked my trouble immediately and the results were so good that I sent for more and kept up the treatment. Now I feel more like sixteen than sixty-three, as I tell all of my friends. I intend to keep Bodi-Tone in the house always, for it is the best medicine I have ever used. MRS. K. E. REINERT



AMITE, LA.—It gives me pleasure to tell what Bodi-Tone has done for me. I was in bed three months with continued fever, caused from stomach trouble. I had two doctors, but after the fever left me I mended very slowly, and after two months I was still unable to do any work. My bowels and kidneys were in a very bad condition. My hands and feet had a numb feeling, caused from the blood not circulating. At this time I saw the Bodi Tone trial offer in my newspaper and sent for a box on trial. It came promptly and I began taking it. I started to gain strength and vitality almost immediately. I was able to work some in one week after I began taking Bodi-Tone and grew stronger each day. I sent for and used another box and I am now well. I give all thanks to Bodi-Tone, for it did the work. G. M. EVANS.



Trial Coupon

Clipped from Up-to-Date Farming

Bodi-Tone Company, Hoyne & North Aves., Chicago, Ills.

I have read the Bodi-Tone Announcement, offering a $1.00 box of Bodi-Tone on 25 days trial, and ask you to send me a dollar box by return mail, postpaid. I promise to give it a fair trial and to send you $1.00 for same promptly if I am benefited at the end of 25 days. If it does not help me I will not pay one penny and will owe you nothing. Neither I nor any member of my family have ever before used Bodi-Tone and I state on honor that this application is made for my own personal use and not for any other person. The following is my full name and address to which the Bodi-Tone should be sent.

Name _____

Town _____

State _____

St. or R. F. D. _____

Bodi-Tone Company, Chicago.

Up-to-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, AUGUST 1, 1910 | Number 15

The Equity System of Marketing Will Put an End to All the Evils of the Produce Exchange System



THE WOODMEN WILL NOT SPARE THAT TREE

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

TOP BUSHELS ARE PROFIT

Farmers Strive for the Top Bushels. There Are Several Bushels Extra Per Acre for You if You Sow This Yieldy Variety

This Great, Hardy, Productive Wheat, Withstands Freezes, Drought, Rust, Fly, Bugs and Blight to a Remarkable degree. Stiffest Straw, Fine Quality. Farmers and Millers Wild For It. Read Reports.

The **Fultzo-Mediterranean** wheat was originated by crossing the old Fultz on the Hybrid Mediterranean, hence the name. All experienced wheat growers must acknowledge the parents as being among the hardiest, most reliable and most valuable varieties of wheat ever grown This is a beautiful variety in growth, straw, head and grain, even surpassing the expectations of those who grow it for the first time. The plant is a strong grower, with a corresponding large root developement. If sown thinly or damaged in winter it will stool out and **produces 20 or more stalks from one grain.** If damaged in winter it usually makes a good crop at harvest on account of its wonderfull vigor and recuperative properties. Farmers who sow this wheat will have extra bushels and extra dollars when the harvest time comes.

DO YOU WANT TO INSURE YOUR 1911 CROP OF WHEAT?

THE WONDERFUL Fultzo-Mediterranean WHEAT

A HARDY, VIGOROUS, PRODUCTIVE VARIETY OF WHEAT FOR SEED

WILL DO MORE TO INSURE A GOOD CROP, THAN FERTILIZER AND CULTIVATION



This illustration from a photograph shows side and edge views of this grand variety. You will not regret it if you sow Fultzo-Mediterranean this year. Remember it is the top bushels that make your profits.

The stalks are large, short and very stiff, and **stand up where nearly all other kinds would fall.** The heads are thick and broad, broader at the top than at the bottom, looking at them edgewise. The meshes are compact and contain from three to four grains Chaff white, heads smooth or beardless; grains large, color red. The Fultzo-Mediterranean is **extra early.** This wheat yields **10 to 20 bushels per acre more** than the old Fultz, Mediterranean, Gold Dust, Velvet Chaff, Clawson and other old favvorites that have lost their original vigor. If you don't get yields like reported below, you want to get this vigorous variety with new blood that will stand hardships and produce a good harvest in the end.

What Does Your Wheat Yield?

The average yield of wheat in this country for a number of years has been only 12 to 13 bushels per acre. To make this low average, probably half of the growers had a yield below the average, while the other half had a yield above the average. It is an established fact that 60 bushels of wheat have been raised on an acre of ground. What yield do you get? Knowing the possibilities, are you striving to get the maximum yields? This should start you to thinking.

Read These Reports. The Like Was Never Received Before for Any Wheat

NOTE—We do not give full address of our customers as that would divert trade from our house. Usually our customers sell all their surplus wheat for seed at a higher price in their neighborhood.

Fultzo-Mediterranean wheat yielded 21 1-5 bushels per acre. Balance of the field was Red Clawson yielded 11 bushels per acre. It has short stiff straw, compact head with three or four grains to the mesh.
A. J. T., Hancock Co., Ind.

Fultzo-Mediterranean is O. K. No fly or rust. Good straw. Yield will be more than double my other wheat sown in the same field, and will beat my neighbors' wheat.—W. W., Dearborn Co., Ind.

Fultzo-Mediterranean I like very much. Its yield is about 45 bushels per acre.—D. H. W., Jefferson Co., Tenn.

The wheat is very fine and is better than other varities. It has a very large head, is filled good. I am well pleased with it. Geo. M., Marshall Co., Ind

Fultzo-Mediterranean wheat is all that can be desired. It is a great stooler. J. T. M., Portage Co., Ohio.

I sowed 3 acres of Fultzo- Mediterranean wheat and have 120 dozens. Other wheat about two-thirds as good on same quality of soil and under same conditions.
J. F. N., Daviess Co., Ind.

Fultzo-Medterranean wheat looked better from the time of sowing to harvest than other wheat in this part of the country, Every one is carried away with it. It yielded a half more than other kinds. J. B. A., Bosque Co., Texas.

Fultzo-Mediterranean wheat is free from rust, matured better and will make a better yield than other varities grown on the same land. J. M., Carrol Co., Va.

Your Fultzo-Mediterranean and Harvest King are both all right. They both will sell like hotcakes. Stood dry weather fine. Heads 4 to 5 inches long and well matured. Other wheat here looks sick by side of these.
Jas. L., Grant Co., Okla.

Sowed Fultzo-Mediterranean late. It is hardy good straw, and looks better than No. 12 by the side of it. I think it a grand, good wheat for the farmers. W. H. K., Livingston Co., N. Y.

I sowed the half-bushel of Fultzo-Mediterranean wheat in October, and it yielded 18 bushels. Our other wheat don't yield over 20 bushels per acre on the same field. Send me prices on your other wheat.
C. S. A., Stafford Co., Kans.

I sowed Fultzo-Mediterranean wheat from 3½ to½ peck per acre. The half-peck sowing was thicker on the ground than the Poole wheat was just over the fence, sowed 1¼ bushels per acre. Some stools of F.-M, had over 100 stalks from a grain. It is a remarkable wheat.
D. C., Parke Co., Ind.

The Fultzo-Mediterranean is the best wheat I ever raised. It will yield five bushels per acre more than any other wheat that I raised and is the best in all this neighborhood. H. G., Bond Co., Ill.

I sowed one bushel of Fultzo-Mediterranean wheat on one acre in a field with another kind sown two bushels to the acre. The stand of F.-M. is good for 50 bushels. It is much earlier than other wheat and stands up better. The field is by the road and many people inquire as to what makes the difference. Wm. T., Lapeer Co., Mich.

I threshed the crop from the bushel of Fultzo-Mediterranean wheat yesterday and had 33 bushels of fine wheat. Other wheat is half crop. I am greatly pleased with it. P. C., Daviess Co., Ind.

I am much pleased with Fultzo-Mediterranean wheat. It yielded 28 bushels to the acre, while other varities under same conditions yielded 12 to 14 bushels. It has a fine, large grain, and good, strong straw. I will sow largely of it. S. R., Woodford Co., Ky.

Fultzo-Mediterranean wheat yielded 24 bushels per acre. New London wheat beside it yielded 10 bushels per acre. Ten bushels is about the yield of our common wheat this year. If F.-M. will hold up that way she is O. K.
J W. M., Knox County, Ind.

From 2½ bushels of Fultzo-Mediterranean wheat sowed I threshed 64 bushels of fine quality. It is the best crop and finest wheat in the community. It has a stiff straw, stands drought, fly and rust better than any other wheat I ever raised. I am delighted with F.-M. Wm. H. H., Posey Co., Ind

PRICE by mail, postpaid, 1 lb 30c, 4 lbs $1.00 By freight or express, at purchaser's expense, ¼ bu. 75c, 1 bu. $2.25, bag of 2½ bu. $5.50; 5 bu. or more at $2.00 per bu. All bags furnished free.

HOW TO ORDER Send remittance with order, or we will ship to responsible parties payable on arrival and subject to examination if one-fourth is sent to guarantee good faith. Remit by money order or send cash in registered letter. Give full address, including county and shipping station if different from postoffice.

The O. K. Seed Store has been headquarters for the best varieties of Winter Wheat for over 25 years. We sell more Winter Seed Wheat than any other seed house. Every reader of this paper can, with care and good seed, raise crops like those reported above. We refer to any bank or business house in Indianapolis.

Central location. Low freight rates. Prompt shipments. Circulars free.

O. K. SEED STORE, Dept. A, Indianapolis, Indiana

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Postal Savings Bank Law

WE realize that it is much easier to point out the defects in a law than it is to make a law without defects. For this reason we are slow to indulge in criticism of public acts. But if every measure was taken as it comes, the people would grow into regarding laws as mere matters of course, and the lawmakers would become reckless and careless.

There was a general demand for a law providing for postal savings banks. This demand grew out of dissatisfaction with the methods and practices of national, state, and private banks regarding deposits. The banks received money under various conditions, but they refused to give any guarantee that money so deposited would be wisely handled and safely returned to the depositor. For that the owner of the money must trust the institution that received it—must trust it not only for the return of the money but for the keeping of the account, the only receipt being a mere entry in a book, which could be easily contested in any court.

The people had greater confidence in the Government than individuals and corporations, and for that reason they preferred to deposit their savings with the Government. Hence the demand for the postal savings banks. To understand the nature of the demand, it is necessary to keep in view the reason for it—the causes of the dissatisfaction it was to remove; and if the political parties became obligated to grant the demand they were obligated to do so in such a way as to change the features of the deposit system with which the people were dissatisfied.

The banks opposed such a measure. They naturally wished to continue the use of the country's surplus money on their own terms, and were opposed to a rival as powerful as the Government itself, because that would compel them to meet the public on more equitable grounds, and to make money deposited with them as safe as if it were put in postal savings banks.

The measure was, therefore, fought by these interests and their representatives in Congress at every step of its progress, and when it was found that a measure at least carying that title must be adopted, the fight was directed to making it so it would interfere in the least possible degree with the banks and their methods, though, of course, that placed it as far as possible from meeting the wishes of the people.

The measure is now a law, and its provisions may be carefully and calmly considered.

Only postoffices may receive deposits that have been designated by a board comprising the Postmaster General, the Secretary of the Treasury and Attorney General. These being members of the President's Cabinet, are appointed by him, and are, therefore, subservient to him. The President himself being the recognized head of a political party as well as of the Government, this great financial concern may be easily made a party machine.

Any one over ten years old may deposit money in a designated postoffice, but no deposit shall be less than $1.00 nor more than $500, and no one shall deposit more than $100 during a month. Why these restrictions? If the Government may safely handle $500 why not any other sum? And if $100 a month may be received to the advantage of both citizen and Government, why not any other sum the citizen may wish to deposit? Was it the purpose to drive the large sums into the banks?

Five per cent of the money so deposited is to be retained in the national treasury as a reserve fund. Thirty per cent may be invested in United States Bonds, and sixty-five per cent is to be held in the depositories where deposits are made, for use as a working balance. The President is authorized to invest any or all of this 65 per cent in United States bonds when he deems it wise to do so.

Since the depositories are themselves banking institutions, 65 per cent of the money that goes into the postal savings banks, goes into other banks, but those banks are required to give the Government security for such deposits. The effect is that the Government secures the depositors, and the banks that get the money secure the Government. Why not have the banks secure the deposits without this circumlocution?

The Government pays 2 per cent interest on these postal savings banks deposits, and the banks in which the money is deposited are required to pay the Government 2¼ per cent interest.

It will be noted that only designated postoffices can receive deposits, and only in designated banks will the money be deposited, and the whole thing is under the control of the President and the three members of his Cabinet we have named. If it is a good thing, it would seem that all should have an equal chance to share its benefits. It has been claimed that we have reached a point in the United States where it is difficult, if not impossible, to secure the adoption of a measure that has not the approval of the banking institutions and other concentrated interests. The people, who ought to be the dominating force, have lost their power through lack of organization.

Corruption Alleged Concerning the Philippines

AS is well known by our readers we look to the farmers, the great conservative class of our population, for the future salvation of the country. We would not have them tied up in partisanship; they cannot afford that; but we do ask them to "sit up and take notice." In nearly a half a century of active newspaper work, we never knew a time when graft and corruption seemed to be so prevalent and unblushing as now, and the masses of the people, especially the agricultural masses, must understand it to apply a remedy. Inordinate profits and corrupt practices are seen not only in the commonest private transactions, but in gigantic combines, and even in the affairs of government. In the latter there seems to be more than an excess, and the public does not have to depend upon mere newspaper reports for a knowledge of these evils; they are proclaimed by congressmen and verified by official investigation.

The latest is in connection with the Philippines. Ever since those Islands were acquired by the United States they have been fruitful picking grounds for American exploiters, and the Big Interests have naturally been playing their opportunities for all they were worth, national officials encouraging rather than impeding the exploitations. Under the rule of Spain what was known as the Friars or priestly organization controlled the best lands of the Islands, the richest sugar producing lands of the world. Those were known as the Friar lands, and on acquiring the Islands the control of these lands passed to the United States on terms arranged by Mr. Taft as governor of the Islands. It is now alleged in official circles that these lands have been absorbed by the sugar trust on terms not at all fair to the people. Congressman Martin of Colorado, recently declared in a public statement that, during all the years this country has owned the Philippines, a certain law firm with very high official connections, has handled thee big business that has grown out of the Islands, and especially concerning the Friar lands. Mr. Martin alleges that the railroad contracts in the Islands, the municipal franchises, the harbor improvements, the bond issues, all passed through this firm, and when the Friar lands were sold a rather doubtful transaction in which another prominent attorney figured, confirmed the sale and passed the title. "It is now evident," declares Mr. Martin, "that the sale of the Friar lands is in itself only an incident in a general scheme of Philippine exploitation, and I should not cease in my efforts to force publicity in this matter."

Thus it goes. The sugar trust in the Philippines, the Guggenheims in Alaska, the water power trust in the Northwest generally, the market manipulators and grafters throughout the whole country, and it does seem like it is time for farmers to take notice. If anything be saved we believe it devolves upon them to save it. They are free and uncontaminated with the schemes of graft, and they are willing to give and accept equity in all the relations of life. Oh, that they would soon place themselves in position to so act as to secure it!

UNITED STRENGTH

ANY interest must have strength to be successful. An interest covering a multitude of individuals must combine those individuals or it cannot develop strength. This is eminently true of farmers. No other interest covers so many individuals so widely separated, and yet so closely related as to the things that impede or stimulate their progress. Whether in California or Louisiana, or at the head of the Lakes or on the Florida Peninsula, that upon which the farmer's income depends more than anything else is price, selling price, the price he receives for his products. This overshadowing interest is the paramount interest of each individual farmer as it is of the whole body of farmers as a class. And this forms a basis of organization such as no other class has; and for that reason it ought to be easy for farmers to organize. And it is. But the trouble is, so many false issues are raised. Many have their personal views, and think the organizations they promote must conform to their views. Others are actually dishonest and selfish in their purpose, as has been proven in the so-called laders of a faction of what was once the most powerful farm organization, and that was on the truest basis.

So the mere fact of organization is not sufficient. The basis of successful organization must be the **principle** and **purpose** that appeals to all, and that will benefit all in an equal ratio, and work injury or impede the progress of no one. This the equitable price making and market controling proposition does. And the one organization that has this for its beacon star, and that is drawing nearer to it every day, is the **FARMERS SOCIETY OF EQUITY.**

TO HOLD OR NOT TO HOLD

HOW can farmers know without a directing organization that is honest and sufficiently well informed to advise them? A few years ago, before the original society of equity was seized by selfish and dishonest men, farmers received information that enabled them to hold their products wisely, and always to their benefit. This is a matter of history, and applies to some of the greatest crops of the country.

Since the disruption of that society, and the conversion of a faction of it into a machine for personal aggrandizement, results have been very different. Farmers have held their crops, but without proper information, and the holding has too often resulted in loss. That was the case last year with the potato growers. They got less for their potatoes last spring, after keeping them through the winter, than they might have got had they sold the preceding fall. But how could they know? The society that had taught them to hold was off truckling to other interests, and the neglect of the farmers and their losses was the result.

But there is no cause for despair. As in the days of the Prophets, there are thousands who never bowed the knee to Baal. May it not even be claimed that the expensive lesson farmers have learned in the school of experience will prove a blessing? While the old society has no longer any power to direct wisely, farmers remember the benefit it brought them in the past and are turning to the Farmers Society of Equity which represents all and more than the original did. Also UP-TO-DATE FARMING is becoming a greater teacher every month and is as true now as it ever was.

Lansdale, Pa., May 31, 1910.

GENTLEMEN:—The book "Farmers Industrial Freedom," came and I have read it. It ought to be read by all farmers and it will be a great advantage. Your paper, UP-TO-DATE FARMING, is a great help to me as it will be to every subscriber. I enclose 50 cents for the paper for another year and a copy of "The Third Power" book.

ABRAHAM KRIEBEL.

QUARRELS ALWAYS UNFORTUNATE

SOME of the greatest triumphs of farm organization have been won by the tobacco growers of Kentucky, but there has undoubtedly developed a selfishness among the leaders there that will work harm in the future. There is a strife in which politics has been made a prominent feature, and division among the growers is inevitable. Thus most likely will the gains of the past be lost in the quarrels of the present and future.

To be successful, farm organization must be on a purely business basis, and it must be so devoted to the principles of equity that the benefits derived from it shall be equally shared by all in proportion to their interests. When a few attempt to monopolize those benefits the equity disappears and selfishness and greed takes its place.

The introduction of foreign matters also has a contaminating effect as is proven in the farce played by those who disrupted the society in 1907, and that have played such a conspicuous part in the unfortunate conditions in Kentucky. We deplore those conditions, and trust the tobacco growers, throwing off all contaminating influences, will rally to the true Society—The Farmers Society of Equity—and renew the victories of the better days of their organization.

CHARGES AND INVESTIGATION

FOR one thing at least President Taft's administration will be noted, and that is for charges of wrong doing and investigations. Whether those investigations result in any public good is quite another matter. The charges seem to be made in all seriousness, and by persons of eminent respectabilities, even of prominence in public life, and the investigations are started with a flourish of trumpets, but they almost invariably result in a "vindication," or in mild report of "no intentional wrong." At the same time there is no condemnation of those who made the charges. One would think that responsible persons, publicly making such charges as have been so frequently made of late, and that have been so seriously considered as to prompt investigation, deserve censure at least when those charges are found to be without foundation.

One of the country's deepest thinkers wonders whether the "interests" do not sometimes stimulate the charges and seek investigation when they have their plans all made to insure a report in between the accused, the accusers, and the investi- their favor. Of course that implies collusion begators, which is an almost unthinkable phase of public deception. But certain it is, the investigations fail of results if the charges are justified, and they fail to condemn the accusers if the accusations are false.

LOST ENERGY

SHIPPERS waste a great deal of energy in fighting the railroads. This is true of shippers of livestock and grain, and of farm products generally, but it is especially true of shippers of fruit, particularly of southern fruit coming north early in the season.

Railroad rates may be too high. we are not attempting to decide that question, but a favorable readjustment would solve only a very small part of the farmer's problems. If the energy expended in fighting shipping rates were devoted to finding the markets and directing the shipments so as to reach and supply actual demand, results would be very different. It would be far better for producers to be able to control their marketing and prices than to be able to enforce demands for lower freights. And it would also be better for consumers in that it would check the tide of speculation set in motion by glutted markets.

We do wish all the farmers would open their eyes to sensible views of these things, and all of them organize on the one plan that guarantees success to them, and assures equity to everybody else.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

THE weather conditions, consequently the crop conditions, are very much mixed. It continues too dry in the Northwest and the spring wheat prospects are very low. The dry weather also extends into the Canadian Northwest and has likewise affected the wheat. As wheat circulates freely throughout the world any material curtailment of actual supply anywhere eventually affects the price in all producing countries. The poor prospect for spring wheat has caused the prices in the Northwestern markets to be advanced until they are about 25 cents a bushel above Chicago wheat prices. Unless great improvement in spring wheat occurs, and the season is too far advanced to expect very much, the price of wheat all over the country and the world wil advance. Holders of winter wheat should not fail to keep this in mind.



Too much rain has fallen in the lower Mississippi and Ohio valleys. While floods have destroyed hundreds of thousands of dollars worth of crops the final yield of the whole crop is rarely decreased because of excssive rain. The corn belt in general is well supplied wth moisture and the hot, humid weather is causing almost an unprecedented growth. Oats and hay have suffered with wheat in the Northwest but over the balance of the country generally are yielding bountiful crops. Wheat threshing in many sections develops better yields than was expected, and the quality is excellent except in some places where frequent rains sprouted the grains.

Live stock has been marketed more freely than for many months, because of dry weather in Western and Northwestern districts and the shortage of pasture and prospective shortage of the corn crop in those places.

Except in parts of Texas cotton needs dry weather to permit of clearing the ground of weeds which is the chief menace to the crop at present.

All visible supplies and all grains, cash and futures, are distinctly higher than two weeks ago. All leading markets quote wheat at over $1.00. Those farmers who sold around 80 cents can now reflect on the penalty the dumpers usually pay. Also those farmers in Kentucky who pooled their wheat and sold for $1.00, led by a few enthusiasts who knew nothing about the conditions or wheat values, will probably deliver when the market is much higher. These things go to emphasize the absolutely necessity of a broad, comprehensive organization for farmers such as this paper is building.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supply of wheat in the United States on July 16, 1910, by Bradstreets report was 13,921,000 bushels. That was 977,000 bushels less than two weeks before, 4,586,000 bushels more than a year before and 367,000 bushels less than two years before.

The visible supply of corn on the same date was 8,918,000 bushels. That was 1,335,000 bushels less than two weeks before, 3,725,000 bushels less than a year before and 3,003,000 bushels less than two years before.

The visible supply of oats on the same date was 6,172,000 bushels. That was 1,446,000 bushels less than two weeks before, 1,342,000 bushels less than a year before and 3,163,000 bushels more than two years before.

The visible supply of barley on the same date was 1,705,000 bushels. That was 553,000 bushels less than two weeks before, 419,000 bushels more than a year before and 447,000 bushels more than two years before.

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending July 15,	*July* 15,	*July* 16
1910	1910	1909
American .. 1,134,217	1,220,808	2,081,066
Other kinds 966,000	1,031,000	711,000
Total 2,100,217	2,251,808	2,792,066

The supply decreased 471,491 bales in two weeks.

Price—New York, July 22; middling uplands 15.80c, middling gulf 16.05. The price is about 40c per cwt. higher than two weeks before.

CLOSING PRICES OF CASH GRAIN

July 21, 1910.

CHICAGO—Wheat, No. 2 red, $1.09¾ @1.11; two weeks before, $1.04¾@1.06½. Corn, No. 2 white, 66@67c; two weeks before, 64½@65c. Oats, No. 2 white, 44 @44¾c; two weeks before, 40½@41½c.

ST. LOUIS—Wheat, No. 2 red, $1.06@ 1.08; two weeks before, $1.05@1.10. Corn, No. 2 white, 67c; two weeks before, 65@ 66c. Oats, No. 2 white, 47c; two weeks before, 44c.

KANSAS CITY—Wheat, No. 2 red, $1.03@1.05; two weeks before, $1.00@ 1.05. No. 2 hard, $1.04@1.05. Corn, No. 2 white, 66c; two weeks before 65@66c. Oats, No. 2 white, 41@43c; two weeks before, 44c.

CINCINNATI—Wheat No. 2 red, $1.08 @1.11; two weeks before, $1.05@1.06. Corn, No. 2 White, 65½@69c; two weeks before, ½7½c. Oats No. 2 white, 43@47c; two weeks before, 42½ ¾43c.

NEW YORK—Wheat, No. 2 red, $1.00 @1.10½; two weeks before, $1.08. Corn, No. 2 white, 45c; two weeks before, 69¼c. Oats, No. 2 white, 48@51c; two weeks before, 45½@49c.

MINNEEAPOLIS—Wheat, No. 1 hard spring, $1.29½; two weeks before, $1.19¼. No. 1 Northern, $1.27¼@1.29¼; two weeks before, $1.17@1.18¾.

FUTURE GRAIN PRICES

Chicago grain futures closing July 21 with comparisons:

WHEAT—July $1.09; Sep. $1.07¼; Dec. $1.09¼; May, $1.13. Two weeks before, $1.03, $1.01¼, $1.01⅞, $1.05, respectively.

CORN—July 62c; Sep. 63⅞@64c; Dec. 62½c; May, 63⅞@64c. Two weeks before, 58½c, 60⅞c, 58⅞c, respectively.

OATS—July 42½c; Sep. 39⅝; Dec. 40¾c; May, 43c. Two weeks before, 40c, 39c, 40c, and 42½c, respectively.

CHICAGO PRODUCE MARKET

July 21, 1910

NEW POTATOES—The market was steady. Barrel stock sold quite freely at $1.60 to $1.70. There was very little doing in bulk or sack stock, offerings being small. Receipts were estimated at about 45 cars.

Sales reported were: 2 cars Triumphs at 60c per bu. 2 cars Virginia barrels at $1.60, 9 cars do. at $1.65, 7 cars do. at $1.70.

Per bu. Arkansas, Tennessee or Oklahoma, red, choice to fancy	$ 60@ 62
Fair to good	55@ 58
Very small or showing rot less	
Early Ohio, good to choice	58@ 62
St. Louis, Ohios, small, not fine	55@ 60
Virginia, Cobblers, choice to fancy	60@ 63
Poor, heated or showing rot	40@ 50
Barrels, Virginia, white, good to choice	1 65@1 70
If extra fine possibly a shade over	
Poor, heated, to fair stock	1 40@1 60

The price is about 10c a bushel and 10c a barrel lower than two weeks before.

HAY—Market firm. Offerings continue light, and demand good.

Price—Choice old timothy, $21@22. No. 1 timothy $20@21. No. 2 timothy, $19@20.. Prairie, $15.50@16. The price of timothy is about $2.00 a ton higher than two weeks before; of prairie 50c a ton higher.

BEANS—The supply is very small and very few coming. Demand also is small.

Price—Pea beans, choice hand picked, $2.36@2.40; prime $2.30@2.35. Mediums the same. Red Kidney, good $3.00@3.50. The price of pea beans is a shade higher, of Kidnys, about 35c a bushel higher.

EGGS—Trade is moderate and shows some improvement. Strictly fresh eggs meet with good sale if they are the right kind of stock. Ordinary and poor lots are not wanted.

The receipts (not including through shipments) for the days mentioned were as follows: This week, Last week, Last yaer.

	Cases.	Cases.	Cases.
Monday	10,390	10,235	10,452
Tuesday	16,363	18,315	11,182
Wednesday	18,290	15,191	12,399
Thursday	5,241	9,870	9,448
Total	50,287	53,611	43,481

Price—The following prices were established by the Butter and Egg Board:

Miscellaneous lots cases not included, 10 @13c, depending on quality; ordinary firsts, 13c; firsts, 15c; prime firsts, 17c; checks or seconds, 8@8½c; dirties, 10@11c. The price is 2 to 3 cents per dozen lower than two weeks before.

MISCELLANEOUS NEWS

Prices for live stock are declining. An authority states that less meat per capita is being eaten in the United States now than for many years. Also the void that has been so pronounced in the supply for many months is filling.

The large packers are easily dominating the live stock markets. The only way to combat their tactics is intelligently controlled marketing. But producers are not in a position yet to exercise it.

The hogs being marketed now average 20 pounds heavier than a year ago. This indicates that more corn is fed because it is lower in price.

The wheat average of Canada is estimated to be 9,249,800 acres which is an increase of 20 per cent. over last year. Droughty condition in the Northwest provinces, similar to those in our N. W. states prevailed but no estimate of the damage to the final crop can be made this early.

The Department of Agriculture, Washington reports the foreign crop outlook as follows:

Great Britain—Grain, hay, clover, beans etc., good to excellent. Fruit fair to good.

France—Grain only fair. Potatoes and beets good.

Italy—Grain promises an average yield.

Spain—Grain only fair.

Germany—Grain, the leader rye, very good. Root and grass crops very good.

Austria—Grain, excellent. Potatoes and other root crops, generally good.

Hungary—Wheat and rye promise the largest yield ever produced. Oats and barley good. Corn, potatoes and beets promise fine yields.

Roumania—Crops generally promise splendid yields.

Russia—Indications point to a satisfactory crop year.

The Dapartment of Agriculture has published the average prices received by farmers for important crops on June 1, of each year, 1908, 1909 and 1910, which we quote as follows: (all figures are cents per bushel)

Corn—June 1 (08) 73.7, (09) 76.3, (10) 65.2
Wheat— „ 1 (08) 92.3, (09) 123.5 (10) 97.6
Oats— „ 1 (08) 51.8, (09) 50.2, (10) 43.3
Potatoes—„ 1 (08) 71.3, (09) 97.7 (10) 37.4
Cotton—„ 1 (08) 10.6 (09) 10.1 (10) 14.2

The Department of Agriculture has estimated the acreage of tobacco in 1910 at 1,216,000 acres against 1,180,000 last year. The principle changes occur in the following dictricts: Burley, 15 per cent. increase. Dark Districts of Ky. and Tenn., 21 per cent. increase. Stemming District, 10 per cent increase. Upper Green River District, 20 per cent less of dark but Burly has been increased. Upper Cumberland District, 22 per cent. decrease. Clarksville and Hopkinsville District, 15 per cent increase. Virginia Sun Cured District, 20 per cent. increase. Virginia Dark, 2 per cent. increase. Bright Yellow, (Va. & N. C.) 2 per cent increase. Maryland and Eastern Ohio Export, 12 per cent increase. Louisiana, 25 per cent. increase.

Car loads of cotton were shipped from the south to New York by express to insure delivery in time to fill July option contracts. This is claimed to be the first time in the history of the cotton business that express train service was resorted to, to carry cotton to market and recalls the time when the ice was broken on lake Michigan to rush grain from Duluth to Chicago to break the Leiter corner.

Reports on the potato crop indicate good to excellent conditions generally.

A dispatch from Dayton, O., says that vegetables and fruit will be sold by weight in that city in the future.

UP-TO-DATE FARMING

Production and Marketing

THE SILO SOLVES A FARM PROBLEM

ONE of the modern solutions of a long-time farm problem is the silo. And the problem thus solved is made all the more important by the present necessity for growing more beef cattle, and also of dairy stock. Farmers know that they could grow more stock profitably if they could make the summer feed extend into winter. This is what the silo does. The most succulent feed that can be grown in summer, properly put in a correctly constructed silo, may be kept in its fresh summer condition for cheap and natural feed throughout the longest and severest winter. It is like canning fruit for human food.

We need not at this late day dilate upon a silage as a feed. The feeding of silage is no longer an experiment. It is simply preserving the most succulent, the richest and the cheapest summer feed for use in winter, and it only involves the growing of an extra crop of such feed to fill the silo.

The only reason why silage has not come into more general use is the absence of the silo and the cost and difficulty of its construction, most of which is imaginary. The increased manufacture of cement and the better knowledge of and more general use of concrete simplifies silo construction, and opens the way to a more general use of silage.

The fundamental principle involved in the preservation of silage, says bulletin 117 of the Iowa Experiment Station, Ames, is the retention of moisture and the exclusion of air, and the walls must be strong enough to resist the bursting pressure of the silage. This pressure acts outward in all directions, and it is therefore greatest near the bottom of the silo. In regions where winters are severe the silo should be constructed as to have adequate frost resisting powers.. Silage should not be allowed to freeze.

It is not our purpose in this article to dwell upon the value of silage; that is well known and conceded; nor upon the construction of silos. To be useful the latter must go into greater detail than would be expected of us. Such information can be obtained in state and national bulletins, from silo constructors anywhere, and we particularly recommend a reading of the bulletin referred to above.

LACK OF HUMUS

IT is quite safe to say that most of the farm lands that show diminished production lack humus, and the question of increasing the humus in soil is an ever present one. If the soil is inclined to run together and bake it lacks humus; if it refuses to retain moisture and dries out too quickly it lacks humus. Humus is what makes vegetable mould; it is decayed vegetable matter incorporated in the soil, that makes it porus, easy to absorb moisture and persistent in retaining it. Clean cultivation, the raking up and burning of stalks, the constant removal of hay, straw and fodder, must rob the soil of humus; but since these are necessary to successful farming, there must be some way to restore the humus. Cutting up with modern machinery and plowing under the stalks, and plowing under, under proper conditions, all the stubble and weeds it is possible to do, while not in reality a restorative, minimizes the drafts of humas made by the crops, and for that reason it should be a part of the farm system.

The best way to restore humus is to turn under leguminous crops. Of these in most of the northern states, clover ranks first. We admit that clover is one of our best hay and pasture crops, and it takes considerable resolution to turn under a crop of clover; but it is worth as much or more, on occasion, thus fed to the soil than if fed to the stock. If desired the first crop may be cut for hay, and the second crop may be lightly pastured until September, and then turned under and the land seeded to wheat. A good system is practiced in much of the Ohio Valley. The fields of winter wheat are seeded to clover in the spring. When the wheat is harvested, the clover makes a quick and rank growth. This with the wheat stubble left on the ground, is turned under, and the land is again seeded to wheat, or allowed to remain for corn the following spring. Such land is seldom deficient in humus, and there must be a great deal of rain to make it too wet, or a severe drouth to make it too dry.

Cow peas is another good crop to turn under to add humus to the soil, as are all the leguminous crops. What adds to the value of these crops as a green manure is the nitrogen and other fertilizing elements they contain as well as the material for humus. And a reason why straw used as bedding for stock shows such splendid results when used as manure is, that, in addition to the fertility it contains the straw affords material for humus. But for best results, it should be hauled out as fast as it accumulates, and, if, possible, turned under as fast as hauled out. Farmers must get brave enough to turn crops under.

FALL SEEDING

WE write for results, and every farmer should work for results. The question of fall seeding is now up. In the parable, you know, some seed brought thirty, some sixty, and some a hundred fold. Every farmer wants a hundred fold—the very highest production. This can only be obtained by putting the seed in soil capable of producing it. It is bad farming to put seed in land that cannot produce. It takes the same or, greater labor in preparation, the same seed and the same work in seeding. Don't be satisfied with working unproductive land.

Commercial fertilizers are good, but they are for the crop to which they are given, and for that their judicious use is profitable; but even commercial fertilizers must have a basis or foundation in the soil. The soil must have life in itself, or it cannot be expected to do a live soil's work. Study the soil before you seed it, and unless you can reasonably expect a profitable crop, save your seed and labor.

Uncle Threadbare thinks if he works fairly well in the cultivated fields he has filled his mission as a farmer. But Neighbor Thrifty believes there are other and even more important duties that ask attention during odd hours when Uncle Threadbare thinks there is nothing worth doing. There is a difference in these two men and their farms. We passed their homes a few days ago at the noon hour. Both were resting. Uncle Threadbare was lying on his back in the shade of a tree; Neighbor Thrifty was sitting on the porch reading UP-TO-DATE FARMING.

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THE WRONG CONCLUSION

The preacher was a widower, and was taking a vacation abroad, having left two grown girls at home. He dutifully wrote them a letter every day, and finally one came which said: "I have been very busy to-day, and among other things, have just married one of the finest looking widows you ever saw. Will be home on the four o'clock train. Meet me."

Of course there was a scene mixed with tears. As the train stopped the preacher stepped off alone. Tears were still flowing, and the meeting was awkard, the girls apparently looking for some one else. At last one of them ventured to ask:

"Where is she, Pa?"

"She? Who?"

"The widow, Pa."

"Oh, she is with her husband. I married her to another man."

Another scene.

THAT IS WHY

Willie—I wish I was a big man and could wear whiskers.

Mamma—Why?

Willie—I do hate to have my face washed.

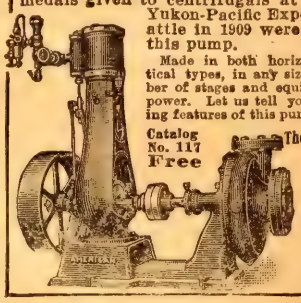
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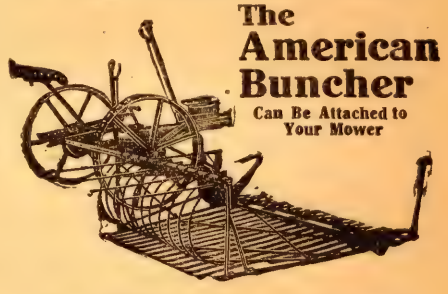


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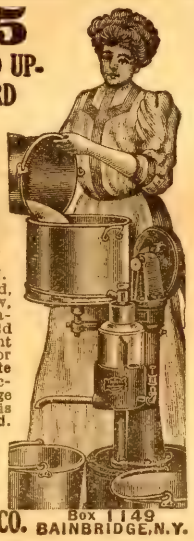
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UP TO DATE LIVE STOCK AND DAIRYING

INCREASE THE STOCK SUPPLY

It seems a little strange that there should all at once be a shortage in domestic animals. This shortage is so pronounced as to indicate a great change in farm methods—almost a revolution, in fact. This change, we think, is not hard to account for. The agricultural schools have been devoting their energies to increased production of farm crops. So has the farm press and the institutes. This has created an undue enthusiasm in cultivation. Farmers have imbibed an unusual desire to to see their land in cultivation so that they may join in the effort for increased yields.

As a result, pastures have been cut down, and the number of live stock diminished. This condition has been emphasized by the closing of the ranges and the cutting up of the ranches.

Farmers must restore the equilibrium by getting back to live stock. The scarcity of hogs is very pronounced. No opportunity should be neglected to increase the pork supply. About the same may be said of beef cattle. We think necessity points to more pastures and less plowing. But modern methods and modern needs call for better pastures than heretofore. Every acre of pasture land should be rich in pasture. The barren hillside and the ditch-marked, abandoned field will no longer answer for the pasture. Indeed there is now no room for the barren hillside and no place on the farm for the abandoned field. Land is too scarce and too valuable. Seed the hillside with as much care as though a crop were to be harvested from it, and reclaim the old field. Sheep will help in these matters, and there is as great a shortage in the sheep supply as in any other. The demand calls loudly for sheep and lambs, and farms could profitably produce these gentle animals on which a sheep has never been seen.

Thus adding to the pasture acreage demands, it is true, increased yields for the acre in cultivation, and the live stock prepares the way to that. Indeed, the system of farming we here recommend is the true progressive farming, and the farmer who adopts it has bright prospects ahead of him.

THE FARM CELLAR AND BUTTER MAKING

BUTTER making is an important element of home support on the farm, and to make butter successfully a cool place is necessary. Ice for a refrigerator is not always available on the farm, but a good, cool cellar is, though not many have them. The cellar need not be large, and it need not be under the house or any part of it. Many prefer the cellar entirely separate from the house, and partly underground and partly above the surface. It may be entirely above ground, and in that case it is much more easily managed and kept clean. It must be so constructed as to exclude the hot air of summer and the frost of winter, so as to guarantee an even tempature of from 50 to 60 degrees.

But the cellar must be ventilated, and the one devoted to the milk and butter making must not have fruits or vegetables stored in it, nor anything else that would give the air an odor or make it impure. Milk and cream so readily absorb odors and impurities that they soon become unfit for use if exposed to them.

But we repeat, a cool even temperature is necessary to successful making of butter on the farm, or elsewhere.

SHEEP AS A FERTILIZER

THE question of more stock on the farm involves the question of increased fertility of the land, and those animals which contribute most to soil fertility appeal to farmers in this emergency. That animal, at least in many respects, is the sheep. It is estimated that the manure of a sheep, compared with the usual price of fertilizers, is worth $3.30 a year; and what gives the sheep an advantage over other stock is that is distributes its manure better than other animals.

If the above estimate of value is at all correct, a flock of a hundred sheep is worth not much less than $300 for its manure. This may be a high estimate, and we believe it is, but we know the sheep pasture beats any other field on the farm in increased productiveness. This is an element not to be ignored in stocking the farm, and farmers can make no mistake in increasing the output of sheep.

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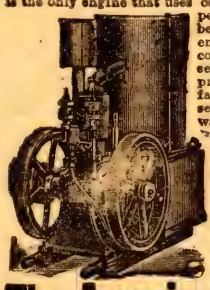
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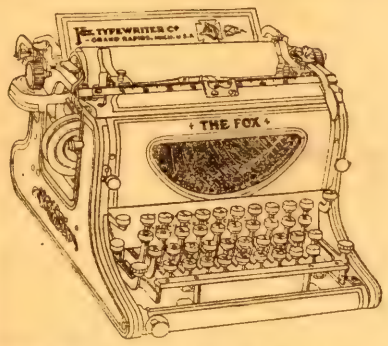
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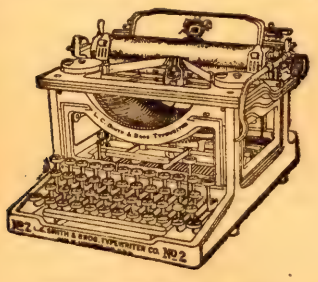
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While our object, naturally, is to sell typewriters you would be under no obligation whatever to purchase and the information we will send you will be entirely free. Furthermore, if you decide later to investigate the Fox Typewriter itself we will send you one on ten days free trial, all transportation prepaid, to be returned to us at our expense if not wanted. If you decide to purchase the typewriter after trial you can pay for it in all cash or a little each month, as you prefer.

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INDIANAPOLIS BRANCH, No. 5 W. Market St.

FACTS THAT SUGGEST THEMSELVES

EVERY farmer that is pasturing stock now knows that a thick set grove which affords deep, dark shade is valuable in the pasture. The stock makes good use of it in fly time.

—o—

Can the team rest at noon, or must it continue the most vexatious and fatiguing work of fighting flies? Dark stalls kept clean give the horses rest. Let the ventilation be from above, or screen and darken the windows.

—o—

Give the colts free range on good pastures, with access to dense shade and clean water. In spite of the richness of the pasture, however, light grain feeding pays, and it gives an opportunity to handle and keep on friendly terms with the colt.

—o—

Hogs that have a place to wallow in are not likely to be troubled with lice. If so infested a good way to fight the pests is to wrap small trees or posts from near the ground to the height of the hogs, with old rags or old gunny sacks, and occasionally saturate them with kerosene. The hogs will rub and treat themselves.

—o—

If the hog pasture can be divided into sections so that one part may rest while another is in use, the value of the pasture will be increased.

—o—

Sows with small pigs should have pastures separate from the main herd. It is still better if each sow and pigs can have a separate pasture. The owner then knows what treatment each gets. Hogs and pigs should not be fed together. The hogs and shoats will rob and injure the pigs.

—o—

The open milk pail is the one most generally in use, but the closed pail is best for many reasons. The closed pail has a small opening with a pitcher like spout. It is covered with cheese cloth or a wire strainer, through which the milk must pass on entering the pail. This strainer catches loose hairs that might otherwise get into the pail, and the pail being otherwise closed minimizes atmospheric contamination.

—o—

The pure food law applies to farm made butter as well as to other things. It only allows 16 per cent of moisture in butter, hence the necessity of thoroughly working out the water. But it must be remembered that too much working destroys the butter grain and makes it soft.

—o—

We believe the men folks should do the milking even on the farm, but when we think of the cleanliness we have some misgivings. Women are naurally more cleanly in their habits than men, and the habit follows them to the milk lot as well as to the kitchen. Some men are too careless of dirt and filth to milk.

—o—

The grocer's treatment of domestic butter discourages farm butter making. We, therefore, urge farmers to make good butter and sell to consumers. To do that successfully, the butter must be engaged to special customers. One then knows exactly where to take the butter, how much and when. Prompt delivery of a good article insures good customers and certain sales at a little better than the market price.

—o—

It is not necessary to raise the calves entirely on milk. Calves will soon learn to pick tender grass in the pasture lot, or to eat nice clover, alfalfa or pea hay, and when quite young they may be taught to eat shelled corn. As they progress in eating thus, the milk supply may be reduced.

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Enie—What is there about Jim Lanky you like so well, Eli?

Eli—He says things I never heard a man say before.

Enie—Oh, has he proposed?

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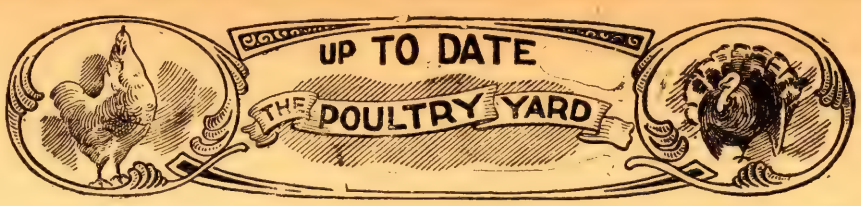
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AN EXPERT'S WAY

JAMES B. Morman, Washington, D. C., is a member of the editorial staff of the Government "Experiment Station Record," and, for the benefit of our readers, we summarize below his own account of his methods with chickens, his principal object being increased egg production, especially increased earliness of beginning to lay.

Mr. Morman's property consists of half an acre of ground at Kensington, Maryland, ten miles from Washington. On that half acre stands his home, with lawns, a garden, a few trees, a barn used for two poultry pens, and two small hen houses. So there cannot be much room for poultry as farmers would count room.

For hatching purposes he depends entirely upon hens, and during the past three years it has been his practice to set a hen on the first of February, or as near that date as possible. By hatching early he thinks one is likely to raise hens that will want to set early. He sets his hens in the cellar of the house, which is heated by a furnace and is well lighted. The setting hens are provided with a dust bath, fresh water and an abundance of food, both grain and vegetable, so there is no need for them to come out of the cellar at all.

After the chickens are hatched they are kept in the cellar on unfavorable days, but on fine, warm days they are allowed to run on the lawn. He seldom loses any chicks.

The chickens are fed nothing but dry feed, and that is given them five times a day, and they have plenty of room to run in. It is Mr. Morman's opinion that many chicks are lost by overcrowding. He thinks vigor in the young chicks, aided by plenty of judicious exercise, is an essential feature in breeding for egg production.

In the early part of June, when the breeding season is practically over, the hens are distributed in three pens, and the young chickens, by that time three or four months old, are given a yard to themselves. This separation is made in order to feed the young chickens more satisfactorily. When young and old are fed together, the hens get more than their share of the feed and keep the young chicks intimidated, whereas everything pertaining to early maturity is to be encouraged. The young chicks thus kept to themselves, are fed four or five times a day, while the hens are fed but twice.

The method of feeding is as follows: About five in the morning they are given a little mixed grain; at seven a mash composed of bran 4 parts, middlings, cornmeal and mixed grain each one part, supplemented by wastes from the kitchen; at noon mixed grain, and at night mixed grains, principally whole corn. The hens are fed the mash in the morning and the mixed grains at night.

When the chickens are about six months, old they are gradually brought to the same plan of feeding as that adopted for the hens, and their care from that time on is very simple and on the same general plan as for the older fowls. Each pen is provided with self-feeding boxes, supplied with meat meal, oyster shells and grit; a well lighted and well ventilated scratching pen furnished with feeding troughs around the sides; a dust bath, a place for water and a roosting place separated from the scratching pen.

Mr. Morman gives what he considers the result of this early hatching and treatment. He handled Plymouth Rocks, the normal laying time of the pullets being at seven or eight months of age. In his first effort he selected eggs from the earliest laying pullets he could find, and set them so that they hatched in February, March and April. His first pullet laid when she was a few days over six months old. The next year he selected eggs from these first laying pullets, and had chicks hatched February 22. The first egg from these pullets was at five months and 18 days. Selecting eggs from these early layers, he had chicks hatched February 21. The first egg obtained from these last pullets was July 25, 5 months and 4 days after they were hatched. Two other of these pullets laid July 27 when they were only two days older.

And Mr. Morman increased the egg production as well as the earliness of beginning to lay. In 1907 he obtained from a given number of hens, 3,966 eggs; in 1908, 5,133 eggs; in 1909, 5,511 eggs. To show the greater value of his pullets as layers especially winter layers, in December, 1909, 19 pullets laid 241 eggs, while 35 hens laid 95 eggs.

A BIG POULTRY FARM

THERE is in Maine a poultry farm of which 40 acres are devoted to the growing of clover and as a free range for the growing chicks. Nine acres are occupied by the laying and breeding houses and their necessary yards. Two acres are used as a park in which are kept, during the summer, a few of the choicest growing chicks, and birds that have been in special matings. About one and a half acres are occupied by the brooder house and yards, and the incubator cellar.

Early in February there had been shipped from this farm seventeen thousand eggs for hatching, and other orders were being constantly filled.

We are not advised of the number of fowls kept on this farm, nor of the annual expense and profits, but the fact that such a farm exists is proof that poultry keeping may be made a great business of itself.

THE FARMER AND POULTRY PROFITS

THE farmer, above all men, is in a position to make twice as much clear money from poultry as the special poultryman, and yet he seldom does. When a few cows are kept on the farm, the farmer can raise absolutely all the best poultry feeds and thus make a profit on them over selling them on the open market. Besides this, on the farm poultry pick up about half of the necessary feed, which is all clear gain. If farmers would keep the best of stock and give them the best of care they would have no competitors in the poultry business.—Exchange.

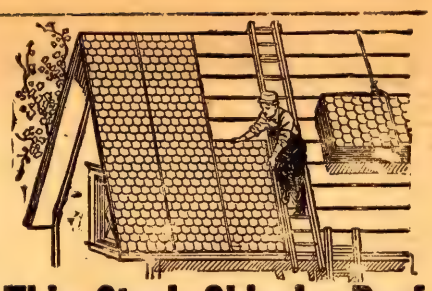
ABOUT YOUR BEES

If you have none, you are not living up to your opportunities, and responsibilities. If you have any fruit trees on your farm you should not allow them to depend on your neighbor's bees for that fertilization without which the fruit would be worthless, or missing. Also, you are missing a source of revenue placed right at your hand, as there is large profit in the culture of bees, rightly conducted. But it is from the standpoint of the fruit grower that I appeal to every farmer and orchardist to do his part, in keeping at least as many bees as are needed to insure perfect fruit.

The least that can be counted upon to do perfect work in fertilizing the trees of an apple orchard is one hive to an acre, or fifty trees, but there are few farms which will not profitably carry thirty to forty hives of bees.

REASON ENOUGH

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An Edwards "Reo" Steel Shingle Roof will outwear four wood roofs and six composition or tar roofs. It will save from four to five times its cost. Furthermore, it is fireproof and reduces insurance rates from 10 to 20 per cent.

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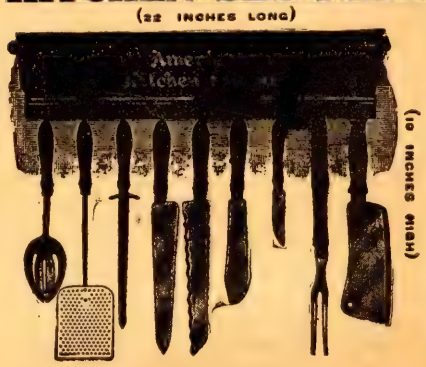
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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

A TIME FOR DECISION

There always comes in everything a "time for a decision." This DEPARTMENT is conducted in the interest of our readers, purely, and in this, the mid-summer season, there is no better "time for decision" as to its value to you. Has it been as helpful to you as to the one of whom I speak below? Has it moved you, town-bred man, with a growing family to feed, to get out into the country where you can have a garden all your own? If so, will it not be a pleasure—a duty—to extend its sphere of influence to others similarly situated? YOU CAN DO THIS BY TAKING THEIR SUBSCRIPTIONS AT 25c a year; or better, 50c for two years. WE DEPEND UPON OUR SATISFIED FRIENDS TO ADVERTISE OUR PAPER.

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

THE GARDEN

THE finest tribute which anyone can receive for his work is that of APPRECIATION. I have received many letters containing words of encouragement for the work I have done in the GARDEN DEPARTMENT during the past two seasons, all of which have been greatly appreciated, but the finest tribute I have ever received for my work in horticulture was contained in a letter received several weeks ago from one who is a total stranger to me, who wrote the reading of my garden department had incited in him a desire to get out into the country and have a home and garden of his own, and he had taken the first step by buying an acre of land near to the city in which he lives and works, and wrote for assistance in laying it out.

If it is considered a good work to make two blades of grass grow where one grew before, how much better work is it to make a home and garden grow where none grew before? It will be a great pleasure to watch the home and garden of this young man "blossom as the rose," and I am going to have a hand in its developement, for that sort of thing appeals to me, and nothing would give me greater pleasure than to have a hundred young men write me that as the result of reading my words they have "hiked to the country" (as one writer puts it) and I would devote my efforts to assisting them all to win a home and a living from the soil. It is the ideal existence for a city worker—to live in the nearby country, where he can "rob the green-grocer of most of his toll." Can I persuade some one else to make the change?

Mid-summer Reflections.

Now that the crop is "made" the growers will have time for reflection, and to ask themselves whether the results have been what they expected, or what their efforts should have produced, and, if not, why not? This is a serious question that every farmer and his wife should ask themselves. Did you apply to your farm and garden affairs the same good business sense that a successful merchant applies to his. Do you realize that the farmer and gardener are BUSINESS MEN—sure. Has it been impressed upon you, that, like the merchant, you must lay in a stock of goods with which to do business? How long could the merchant keep store if he failed to keep up his stock of goods? Yet, there are farmers who cannot see that fertlizers, lime and manure are their stock in trade, and that their proper manipulation bears the same relation as does the selling of the goods by a merchant.

The real trouble on most farms and gardens is that the farmer has been too prone to consider his SOIL as his stock in trade, whereas it is merely the medium by which he handles his real stock, and bears the same relation as does the store building and fixtures of a merchant. When our farmers fully realize this, and act accordingly, the farmer will prosper, and have plenty of fine crops to MARKET BY THE EQUITY SYSTEM.

Family Size Packages.

My readers will recall my several references in the past to the advisability of putting up of fine garden products in family size packages, in order that they could be sold and delivered to the best trade without any handling by the retailer. In these days of sanitation, people of refinement do not care to have their edibles "pawed-over" by a lot of people before reaching them, and will pay for the additional cost, if any (which I doubt) of putting them up in packages of family size, so that they can get them untouched, right from the producer.

I want to say that the Florida and Atlantic Coast gardeners are taking to this idea. They are shipping tomatoes, beans, peas, onions, spinach, beets, carrots, and other vegetables in quarter and half peck splint baskets, crated two dozen in a crate, and they carry better by express and freight than the solid crates and do not weigh as much, as the crates are also made of "splint" material. The packages are neat and attractive, and were readily disposed of intact at good prices. The Long Island gardeners are still the only ones which put up assorted family hampers for fine city trade. Why should it not be a good thing for other sections?

Profit and Loss.

I have been out on a trip of inspection of farm and gardens, and have been able to make some "odious comparisons" between gardens on different farms. I inspected a one acre farm garden which was a model of its kind, and made full inquiry of the owner as to his methods and results.

The first thing that attracted my attention was the total absence of weeds, and the well-cultivated appearance of all his crops. When I asked him how he managed it so much better than his neighbors, he replied: "System. It is an invariable rule, once that the garden gets far enough on to be worked, to give it a going over with the cultivator, after every rain, and at least once a week, whether it rains or not, and another rule is that the garden is the first thing cultivated after a rain, as it is well drained and generally ready before the fields."

The operation of this rule keeps the garden in fine condition, and the women who do the gardening, except the cultivating, have little hard work to do, once it is planted, but merely gather and market the crops as they mature. This farmer also gave it his opinion that the average garden on the farm is too small to be worked with the horse is likely to be neglected, as there never seems to be time to spare the men to get into it with hoes. But when large enough to be considered in the farm scheme of working, it seems worth while to include it.

The difference on most farms means the difference between profit and loss. The farmer above refered to stated that his acre garden kept up the farm table, including groceries, and paid for its own manure and fertilizer, and the income from the dairy, which is generally dependent upon to keep the family, was put in bank as clear money.

If one were up in a balloon anywhere within ten miles of this farmer's farm, and were to look down at the landscape, the eye would at once pick out this farm from all the rest, on account of the luxuriance of the crops, due to the intelligent and scientific manner of his farming, yet he is just a "plain farmer," with only a country-school education, but **he reads the farm papers** and Bulletins, and applies the information to suit his own case, and his farm and bank account plainly show it.

I walked through a field of his oats, five feet high, with heads two feet long, which produced ninety bushels to the acre. I asked him how he did it. "Lime and good cultivation," he laconically replied. In the past ten years every field has been under-drained, fertilized, and limed, and the cultivator kept constantly running. Around him on all sides are farms run on the old style at an actual loss—robbing the soil to extract a living for the present owner. It is amazing.

Work With the Strawberry in August.

This is the month in which to put out new patches of potted strawberry plants. The dealers have them ready in two inch pots, in case you have not grown your own. Prepare the soil by a dressing of manure or a good small-fruit fertilizer, harrowed or disked in. The soil should be fine and loamy. Mark out the rows if for the "matted-row" system, and set thp pots every two feet, but do not de-pot the plants until ready to set them in the holes which can be "sliced-out" with a hoe.

Clean cultivation of the patches which bore this season, during the month of August, insures more and finer berries next season. A crop of weeds in the berry patch will rob you of the profit you expect next summer.

THE POST-SUMMER SEASON

There is a little hiatus between the harvest season, and the fall season of work, varying from one to two weeks according to the latitude, when the farmer gets a breathing spell, and during this time he is very susceptible to the arguments you can put up why **he should be a subscriber to this paper,** especially as you can tell him how you have been benefitted by reading it. Will you not employ this easy time in telling your neighbors of the benefits which accrue to the readers of UP-TO-DATE FARMING and take their subscriptions? The publisher will give him, and you, the regular premiums offered for all subscriptions.

Garden Editor.

GETTING A STOCK OF BEES

There seems to be an impression that it is a costly matter to stock the farm with bees. This is a mistake. If you were a reader of GLEANINGS IN BEE CULTURE, you would know better. By starting with a baby-nuclei, you can work up your own stock, and the bees will lay up enough honey to keep themselves over winter in a favorable season, and by next season you should have a filled hive from each nuclei. The cost of a two-frame nucleus with a queen is $2.50 for the best. Can you afford to be without them?

The Champion Potato Machinery Co., 117 Chicago Ave., Hammond. Ind., are now erecting a large storage house for their supply of paints and oils. The building, like their factory buildings, is of fireproof construction, using only concrete and steel. This move will further eliminate the fire risk at this already up-to-date plant. Their 1910 catalog is now off the press, describing the well-known O. K. Champion line of potato machinery, and will be sent to anyone interested.

GOULDS



RELIABLE FARM PUMPS

will insure a generous supply of water when and where you want it, no matter where the well or spring may be located.

They are durably made, moderately priced and cost little to keep in order. Built to meet every condition and service. Write for our **free book.**

"Water Supply for the Home"

It will tell you how best to solve water supply problems—pumps $3.00 to $300.

When you buy a pump see that it bears the name "GOULDS." It is a guarantee of satisfaction.

THE GOULDS MFG. COMPANY
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The O K Champion Two-Horse Elevator Digger will dig your crop and do it well. If you are in need of a digger you can do no better than to secure one of our machines. If you will send us your address we will be pleased to send you our large illustrated catalogue and price. Our motto:

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of good character in each city and town to act as my

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No peddling, canvassing or other objectionable work required. Previous experience unnecessary. Duties need not, at first, interfere with your present employment.

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If you are making less than $2,400 a year and are trustworthy and sufficiently ambitious to learn and become competent to handle my business in your vicinity, write me at once for full particulars, my bank references, etc.

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Now I Hear Whispers



G. P. WAY, Inventor



Medicated EarDrum Pat. July 15, 1908

with my artificial Ear Drums in my ears. I never feel them—they are so perfectly comfortable, and no one sees them. I will tell you the true story of How I Got Deaf—and How I Made Myself Hear. Address your letter to me personally at 99 Adelaide St. This is important, as letters sent to other addresses often do not reach me. I stand back of every claim made for MY drums.

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—WORKS BOTH WAYS—

If you will mention this paper every time you write an advertiser, even tho' you see the announcement in some other paper also it helps us. In turn we can make a better paper to benefit you. "Every little bit helps." Will you?



Skin Health

means skin beauty. Blotches, roughness, itching humors and unsightly eruptions are mortifying—and needless. Heiskell's Medicinal Soap keeps the *pores of the skin open and clean.* This allows natural secretions to pass off instead of forming black heads, pimples and roughness, as is the case if the pores are clogged. The use of Heiskell's Medicinal Soap gives a velvety skin and the glow of health. Remember this and ask your druggist for

HEISKELL'S
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Heiskell's Ointment cures skin ailments of long standing—eczema, tetter, rash, milk crust and similar troubles. Heiskell's blood and liver pills give action to a torpid liver.

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Are Wonderful "Fuel Savers and Easy Bakers." The 20 new 1910 improvements make them the finest stoves and ranges in the world. "Why not buy the best when you can buy them at such low unheard of Factory prices." Hoosiers are delivered for you to use 30 days free in your own home before you buy. A written guarantee with each stove, backed by a Million Dollars. Our new 1910 improvements on stoves absolutely surpass anything ever produced.

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DAISY FLY KILLER placed anywhere, attracts & kills all flies Neat, clean, ornamental, convenient, cheap. Lasts All Season. Made of metal, cannot spill or tip over, will not soil or injure anything. Guaranteed effective. Of all dealers or sent prepaid for 20c.



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THE CLIPPER



will cut tall grass, short grass and weeds, and do all the trimming along the fence, walks and drives. If your dealers do not keep them, let us know, and we will send circulars and prices.

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BOOK ON NEW PROCESS OF CANNING FRUITS AND VEGETABLES.

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Cleanses and beautifies the hair. Promotes a luxuriant growth. Never Fails to Restore Gray Hair to its Youthful Color. Cures scalp diseases & hair falling. 50c and $1.00 at Druggists

Extra Fine Post Cards Free

Send 2c stamp for five samples of our very best Gold Embossed Friendship, Flower and Motto Post Cards; beautiful colors and loveliest designs.

Art Post Card Club, 875 Jackson St., Topeka, Kan.

Beautiful Prize Free!

We Want You to arrange these four groups of letters into the names of four Cities of the United States. To every one who answers this puzzle and names not less than three of the Cities correctly we will give a prize of a set of our handsomest Silk Embossed Birthday and Floral Motto Post Cards in beautiful colors. When you answer send 2 ct. stamp for mailing expense. We also give $50 in cash and many other big prizes aside from the above to those who answer this advertisement promptly and who will help us introduce our paper. Address at once,

SOBONT
HAMOA
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PUZZLE DEPT., 610 Jackson St., Topeka, Kan.



THE CLOUD AND ITS LINING

IT is said that every cloud has a silver lining. Certain it is that every life is flecked with clouds and sunshine. Most of us make the clouds darker than they are, and we take much of the brightness from the sunshine. It seems a human trait to magnify the bad and minimize the good. Now and then there is a happy spirit that reverses that disposition, and lives in the brightness, regarding the troubles as only fleeting shadows that becloud the life for a moment and are gone. Such persons have more of sunshine than of shadow, and get out of life what we may all have if we will.

It cannot be denied that some troubles are real; that there are griefs which rend the soul, and bereavements that break the heart and destroy hope; but the lighter we can regard the sorrows the better for us all. Worry hurts the human family worse than disease. We may take medicine for disease and imagine that it cures, and then we are well; but the only physician than can prescribe for worry is within ourselves. Oh, for a spirit of cheerfulness, a disposition to throw off trouble, a nature that is hopeful and always sees the best. Humanity's stay here is but brief at the longest, and there is no time for fretting and worry. The spirit that can smile through the bitterest tears, and that can calmly await the healing of the wounds of keenest disappointment, will get the most out of life and leave sweetest memories when it departs.

THE HOME BEAUTIFUL

THE home on the farm ought to be the home beautiful. None but the farmer has such facilities for making a beautiful home. Nature lays her treasures at his feet, and bids him select all that is most beautiful. The sunshine is his, as is all that it gladdens and beautifies. It weaves for him a carpet of green on all his grounds, asking only that he mark its bounds and cut away the excessive fullness. The flowers that God himself paints, look up at him and smile, pleading only for room and to be protected from the evil things that try to grow beside them—the bad so prone to smother the good in all of us.

The moonlight is his also, free from towering dome and obscuring smoke, and as the gentle queen rides above in her weedless field, she clothes with silver the home, giving the home itself a heavenly luster even while the inmates sleep.

The family on the farm that has not a beautiful home has not risen to its opportunities. The structure may be an humble one and yet be beautiful. The accessory buildings may be unpretentious, but they need not be ugly. The people may be poor. Artificial wealth may never have been accumulated, but nature's wealth is spread out everywhere, and a little well directed effort and thoughtful care will make the home beautiful.

PUMP BOOK FREE

An interesting book on pumps has just been issued by the Gould Mfg. Co., 95 W. Fall St., Seneca Falls, Mass. It explains the use of Hydraulic Rams, Pneumatic Water Systems, and water supplies for the country home. It will be sent free to any subscriber of UP-TO-DATE FARMING who writes for it.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

CLEANING FURNITURE

WE suppose housecleaning time for this season is over. We certainly hope so, for housecleaning day has always been to us one of the dark days of home life. It puts things topsy turvy, and so reminds one of moving day. Yes, we hope it is done and over for the present.

But some perhaps would like to give their furniture and other paint-surfaces an extra touch. An experienced writer gives the following hints:

For cleaning painted surfaces we use the following methods: Dip a piece of flannel in clean warm water, and squeeze nearly dry, and then take as much of the best quality whiting as will stick to the cloth and apply to the painted surface; after this wash off with clear water, and wipe dry with a soft cloth or chamois. This methods of cleaning does no injury to the paint and it will look like new. Crude petroleum is also excellent for cleaning woodwork, and I find it much better than kerosene for this purpose since it never leaves a white skum. Moisten, but not wet, an ample piece of cheese cloth with it and rub the woodwork, then wipe off with a clean dry cloth until all vestige of the oil is removed. If for any reason soap must be used on woodwork do not use strong alkali soap, but toilet soap, and wash off with clear water immediately. A combination of hot water, skim milk, turpentine and toilet soap is also good for cleaning painted surface. Use about one tablespoonful of turpentine to quart of water and a cup of milk. Wash the woodwork off with this and dry thoroughly.

THOUGHTS

By Mrs. Nannie Pierce, Nashville, Tenn. (Suggested by "Thoughts That Come" published in UP-TO-DATE FARMING)

Thoughts! Bright winged birds, whose silver pinions carry them through distant space,
To sunny southland or to colder clime, wherever vagrant fancy's way may trace
The faint, sweet echoes stealing softly on through time's long list of years, to place
A golden halo, woven rich with threads of joy and sorrow, 'round some dear and unforgotten face.
So rapid is their flight the eye can scarcely catch the glimmer of the passing wing.
But who can tell the worth or value of the message these golden thought-birds bring
To some lone, waiting soul whose weary heart has never been attuned to sing
Of course strength and faith, the life that makes a man among his fellow men a king?
We send them forth at will, sometimes to friends whose loyalty has proven true,
And who have need of thoughts to spur them on to greater height and grander view
Of life, with all the glorious promise offered to the one who dares to do
Great things, to ever champion the cause of right 'gainst wrong, even though his comrades be but few.

HOME AMUSEMENTS

CHILDREN must be occupied. Both mind and body refuse to surrender life's essential principle, activity, and lie around as the clod lies. Work is good, is necessary and wholesome, but work is not enough for the child, nor even for the man and woman. There must be amusement, recreation, something that gives relaxation to both physical and mental part, and that brings the inner consciousness into care-free harmony with others.

This means home amusements. Since Cain and Abel played under the

How to Buy
Soda Crackers
in the Country

Next time you go to the store buy enough Uneeda Biscuit to last till next market day. "But," you say, "will they keep that long?" Yes—

Uneeda Biscuit

are the soda crackers that come to you protected in sealed packages, so that you *always* have fresh soda crackers no matter how many you buy or how long you keep them.

5¢ (Never Sold in Bulk)

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A CHANCE FOR YOU

If you want to join this big army of money-making, prize-winning hustlers, if you wish to make money in your spare time, write us to-day! No expense! We pay for everything, and send the agent's outfit, entirely free! Mail us a postal to-day. Now--before some other person gets the agency. Simply say you want the GRIT agency, and we will tell you how to start, and how to get the valuable articles free. Send your name to us whether we have an agent in your locality or not. It frequently happens that on account of moving away or sickness, agents are obliged to give up the work, and then if we have your name on file we can offer you the agency.

GRIT PUBLISHING CO.
210 West Third St., Williamsport, Pa.

BOYS and GIRLS



If you want a genuine Shetland Pony and Rig, write to me today for my new and the easiest plan you ever heard of. Don't send any money, just a postal, and say you want a pony. I will be glad to help you. Address
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FARM WATCH—RING and CHAIN



WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely designed case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.



Dale Watch Company, Dept. 53 Chicago

CAMERA & COMPLETE OUTFIT 25c



Takes pictures 1½ x 1½. A little gem. Sure to please. Leatherette covered camera and complete outfit of plates, paper, chemicals, &c. with complete instructions so any boy or girl can take GOOD PICTURES of landscapes, buildings, friends, &c. All sent for only 25c (silver) or 3 for 60c.
ALDEN & CO., Sta. A, Indianapolis, Ind.

20 Beautiful Post Cards 10c
No Two Alike — Latest Designs

Lovely assortment of 20 Artistic Birthday, Friendship, Good Luck, Roses and Flowers in exquisite colors, all for only 10cts. if you answer this ad immediately.
J. H. Seymour, 234 W. Eighth St., Topeka, Kan

10 POST CARDS FREE

We will send you 10 of the prettiest post cards you ever saw if you will cut this advertisement out and send it to us with 4c to pay postage and mailing and say that you will show our post cards to your friends and explain our offer to them. D-223, NEW IDEAS CARD CO., 233 So 5th St., Phila., Pa.

$5.00 Per 100 FOR NAMES

We will send 10 assorted post cards for 10 cents and blanks free for collecting names at 5c each. HARRISBURG POST CARD CO., Harrisburg, Pa

YOUNG FOLKS, Jo'n Post Card Club. Lots of fun and amusement. Send 10c silver, membership fee and receive list all young folks and 10 handsome engraved cards free.
Young Folks Card Club, 121 Thom. St., Bottineau, N. D.



Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.
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MAGIC NEEDLES RODS, Goldometers, Chronometers, etc., for treasure seekers. Millions of wealth under your feet. Guaranteed the best made. Interesting booklet for 2ct. stamp. **FREE**
P. & M. AGENCY, 119 Elk St., PALMYRA, Pa.

trees of God's own planting in the Garden, children have played together. There have been childish games and frolics. Even I who write these lines, could mention school day plays that would awaken memories in hearts that learned to beat in other lands, and so will it be when those who in childish glee, now "Ring around the Rosy" or laughingly inquire "What will you do when the Black Man comes?" are as gray as their grand fathers are.

Parents should not object to amusements for the young folks. They let in the sunshine, and remove the chill from the soul. Satan may have originated some unwholesome plays. These of course, are to be avoided, but we do not object to healthy romps on the lawn and the hearty laughs, and even the occasional impulsive screams that accompany them. Hilarity, good natured hilarity, quickens the heart beats without fever, brings fresh blood to the face without shame, and invigorates the whole system. Let the young people, and even those who are not so young, laugh and play. Like a summer breeze laden with sunshine, it drives away the clouds and invites the flowers of gladness to blossom in the soul.

FARM SOCIABILITY

IS there enough of farm sociability? A life's residence on a farm and among farmers impels us to say there is not so much as there used to be. What has become of the neighborly visit to "sit and talk till bedtime?" And the "going over to the neighbor's to stay all night," when the children would have a jolly romp and the "old folks" a chance to talk over every event of the season. We do not know whether these were the best manifestations of sociability, but we know these "visits" were enjoyed by the children, and we believe they were by the grownups. They are no more, and, unfortunately, nothing has been found to take their places. Farm life ought not to be all toil nor should it be encased in an individual shell like a clam. The annual institute or fair, and the occasional gathering, and even the monthly church meeting, are not enough for farm sociability. Visit one another at your homes. Let your families get acquainted, and learn to know and love each other better. The sunshine will be brighter and the frosts not near so biting.

THE FAR FAMED "BARNYARD" SHOE

Every farmer and stockman should investigate the new Amonia and Manure Proof Shoe made by Huiskamp Bros. Co. Where manure and barnyard liquids soon rot, crack and ruin the ordinary farm shoe, they cannot harm the Barnyard Shoe, because of the special tannage process. For economy and service, the Barnyard Shoe is ideal for farmers and stockmen. Ask your dealer about them or write Huiskamp Bros., Dept. 18, Keokuk, Ia., for booklet and offer of one free pair.

THE MOTHER IN THE HOME

After all, the mother is the light of the home, and especially of the farm home. The seminary, the academy and the college may strive to educate our girls, and it is well, but the crowning knowledge of woman life is to know how to be a good mother. The babe's first smile is given to the mother, and its first word is music in her ear. What the mother is the child is like to be. If the mother loves her home the child is almost sure to love home and mother. If the mother's mind wanders out into the world and longs for something different, when the child grows up it is very apt to go out and seek it, perhaps to find disaster. If the mother loves the farm so will the boy and girl. If the mother loves birds and flowers, the children will love the beautiful. If the mother is neat and tidy in the house the boy or girl will never be a sloven. It is great to be a governor or a general to rule states or command armies, but it is greater to be a good mother, and mould the soul and life of human beings.

LIKE OTHER PEOPLE

"Mama, may I pray for it to rain tomorrow?"

"Yes, dear, if you want to, but we don't need rain now do we?"

"No, but there is a picnic tomorrow, and you said I couldn't go."

Does Your Wife Do This On Wash Days?



If she doesn't, you should have no riding plow, manure spreader, or other modern convenience now regarded a necessity on the farm. You ought to be ashamed of yourself. Go today and buy her an

Automatic Power Washer With REVERSIBLE WRINGER

This machine is not a hand-power washer with certain attachments added to transform it into a power washer. None of the machinery is fastened to the bottom of the tub, to be drawn out of alignment by warping. The driving belt is on the left side, entirely out of the way. It can be driven by one of the small gasoline engines now so common on the up-to-date farm.

Free Booklet Get our free booklet and learn all about it. Get busy before your wife is compelled to do any of those nerve-racking, disposition-destroying spring or summer washings. One man who bought one of our washers is bragging about his wife taking on some of her girlhood beauty and spirit again.
Automatic Electric Washer Co., Newton, Iowa

95 cents Post Paid — $15.00 for 95 Cents



Cut this out and send it to us with your name and address and 95 cts. to pay for postage, packing and cost of this advertisement, and we will send to you by return mail postpaid this elegant Watch and Mdse. Certificates worth $15.00. Certificates can be used at any time in purchase of goods from our catalogue (total value of watch and certificates $15.00), all for 95 cents. The watch is regular gentlemen's size, open face, solid nickel silver plated dust proof case, with genuine American lever movement, stem wind & set & fully guaranteed. This offer is made to introduce our watch & jewelry catalogue, and only one watch & certificates will be sent to each person ordering. Send 95 cents TODAY as this advertisement may not appear again. Satisfaction guaranteed or money refunded. Address

(R. E. Chalmers & Co. are thoroughly reliable and have been established since 1885) **R. E. CHALMERS & CO., 356 Dearborn St., CHICAGO.**

Ever-Sharp Shears FREE

Dear to the heart of every woman—a pair of finest shears that are always sharp.

The Patent Tension Spring keeps them always sharp and enables the user to cut anything from *wet* tissue paper to the heaviest cloth. The tension on the rivet can be set so that any kind of material intended to be cut with shears can be cut with perfect ease, without tiring the hand.



The illustration is 4 inches long, but the Shears we offer are 8 inches in length. They are made from the best carbon steel which insures strength and a keen cutting edge. The manufacturers guarantee quality of material and workmanship in every pair.

Guaranteed for Years.

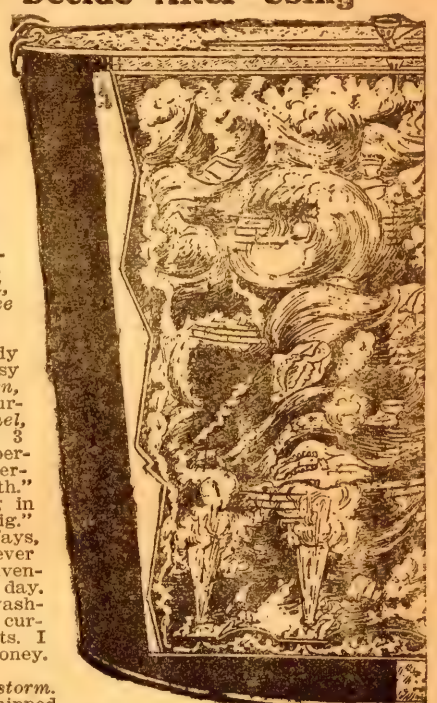
MY OFFER: One pair of these Shears will be sent free for your renewal or a new subscription 2 years for 50 cents.

J. A. EVERITT, Editor, Indianapolis, Ind.

STARTLES THE COUNTRY

Marvelous Invention! Revolutionizes Wash Day!
New Ideas! New Principles! Amazing Results!
STARTLING, BUT TRUE! THERE'S NO MORE WASH DAY!
NOT A WASHING MACHINE
New Method of Cleaning Clothes. Clean Family Wash in 30 to 50 Minutes. No Labor. No Rubbing. No Motors. No Chemicals.
WOMAN'S HARDEST WORK DAY MADE EASY.

MONEY BACK IF NOT SATISFACTORY
You Decide After Using



Beautifully cleans woolens, flannels, blankets, colored clothes and white clothes, finest laces, curtains and bed clothes. *Saves trouble, money, time and labor. Easy Way* in 30 minutes cleans washing which before *took entire day. Largest family washing seems like play. All metal.* Strong, durable, sanitary, light in weight, easily used, cleaned handled. Always ready. Child or frail woman can use it easy.

Wash day robbed of its awful misery.

No more rubbing, sweating, stewing. Backaches banished.

EASY WAY SMASHES ALL RECORDS

Washing machines in the infant class—can't compare with it. Users delighted, enthusiastic, filled with joy. *Honest-hearted, hard-working* women write of their *own free will.* They can't help it.

Simply bubbling over with praise.

Listen: J. McGee, Tenn: "One young lady cleaned day's washing in one hour with Easy Way; another in 45 minutes. *Mrs. T. Bullen, Canada:* I washed bedding, heavy quilts, curtains, etc., without rubbing." *Loretta Mitchel, O.:* "Did a big washing in 45 minutes. Sold 3 already." *A. D. Poppleton, N. Y.:* "Gives perfect satisfaction. Washed bed quilts, greasy overalls and fine clothes. Greatest thing on earth." *F. EE. Post, Pa.:* "Did two weeks' washing in 45 minutes. Clothes cleaned without rubbnig." *J. H. Barrett, Ark.:* after ordering 38 Easy Ways, says:—"You have the grandest invention I ever heard of." *J. W. Meyers, Ga.:* "Greatest invention to womanhood, forever abolishing wash day. Sells itself." *Mrs. Albert Lamb, Ill.:* "Have washed everything in it I could think of, from lace curtains down to dirty overalls and rag carpets. I wouldn't part with Easy Way now for any money. Wish you success."

AGENT'S FREE SAMPLE *Taking the country by storm.* One thousand Easy Ways shipped to Russian agent. *B. O. Cowan, N. Y.,* placed 13 in six hours—profit $39.00. *Mrs. J. Brown,* sold 10 in 3 days—profit $30. *K. J. Blevin, O.,* made 7 calls, sold 5 one day—profit $15.00. *R. H. Latimore, Pa.:* "Sold 4 this morning; never yet turned down." *A. G. Witt, Pa.:* "Sold 4 today Not out for orders." *Mrs. Gerrish, Mont.,* orders sample, then one dozen, then 100—profit over $300. *N. Boucher, Mass.,* orders 75 more and says: "Everybody wants one. Best business I ever had." *A S. Verrett, La.:* "Sold 8 one day"—profit $24.00. *Our facilities* now greatly enlarged—still enlarging. *Easy Way is agents landslide.* Millions will be sold. Write quick for appointment. *We want managers, agents*—men or women—*at home* or *traveling*—all or spare time, to show, take orders, and appoint agents. *Easy Way* new article—not worked to death. *Best seller out.* Every family wants one. People glad to see it demonstrated—buy without beng asked and throw away costy washing machines to use it. Only 2 sales a day means $36.00 *a week profit. Price only* $6.00 ready for use. Sent any where. *Not sold in stores.* Order one for your own use. *Money back if not satisfactory.* Send for free sample offer, special agent's proposition, etc. *Costs nothing to investigate.* Send name and address anyway. Many have done so and afterward thanked us for giving them the opportunity to get rich the easy way. *Write today.* Don't let this big money-making opportunity pass you.

HARRISON MANUFACTURING CO., 332 HARRISON B'LD'G. CINCINNATI, OHIO



"RANGER" BICYCLES

Have *imported roller chains, sprockets* and *pedals; New Departure Coaster Brakes* and *Hubs; Puncture Proof Tires; highest grade equipment* and many advanced features possessed by no other wheels. *Guaranteed 5 yrs.*

FACTORY PRICES direct to you are less than others ask for cheap wheels. Other reliable models from $12 up. A few good second-hand machines $3 to $8.

10 DAYS' FREE TRIAL We ship on approval, *freight prepaid*, anywhere in U.S., *without a cent in advance.* DO NOT BUY a bicycle or a pair of tires from *anyone* at *any price* until you get our big new catalog and *special prices* and *a marvelous new offer.* A postal brings everything. *Write it now.*

TIRES Coaster Brake Rear Wheels, lamps, parts, and sundries *half usual prices.* **Rider Agents** everywhere are coining money selling our bicycles, tires and sundries. **Write today.**

MEAD CYCLE CO., Dept. G170 CHICAGO



STEM WIND & SET

WATCH RING & CHAIN FREE

FOR SELLING POST CARDS

We positively give FREE a STEM WIND, STEM SET, BEAUTIFULLY ENGRAVED, Plated WATCH, equal in appearance to Solid Gold Watch, American made, guaranteed 5 years, and a beautiful Ring set with an Im. Diamond, for selling only 20 packages of beautiful high grade art post cards at 10c a package. Order 20 packages, and when sold, send us $2, and we will positively send you the Watch, Ring & Chain. **WELLS MFG. CO., DEPT. 825 CHICAGO**



KODAK FILMS DEVELOPED, 10c per roll, any size. Prompt attention given mail orders. Prints 2½-2x3½-4 to 3½-4x4½-4, 2c.; 4x5 to 3½-4x5½-2, 4c. J. M. Manning, 1062 Third Ave., N.Y. City.



919 CARDS Silk Fringe, Envelope, Hidden Name and other 200 New Songs and Love Verses, 100 Rich and Racy Jokes, 1 Pack Escort and 1 Pack Acquaintance Cards, New Beau Catcher, Big Sample Book and outfit. All 2 Cents. **COLUMBUS CARD CO., B 43 Columbus, Ohio.**

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CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

We never reach this part of the editorial work of Up-To-Date Farming without a feeling of pride in the bright young people that have written so many delightful letters. That we have not been able to print them all is no indication of lack of appreciation; it simply means lack of space, and we can't help it. How many are taking steps to become Pioneers of Equity—to stand in the ranks of the young people who merit leadership in the greatest movement of modern times? Obtain five subscriptions for Up-to-Date Farming at 25 cents a years, send $1 of the resulting sum to Up-to-Date Farming, Indianapolis, Ind., and keep the other 25 cents for your own. That gives you the rank of Pioneer of Equity.

We are glad to give some charming Cadet letters in this issue:

Dear Cadets: I am a Texas boy, and one that sure loves the grand old Lone Star state. I came to Union county, New Mexico, three years ago last May. This is what is called the mountain plains, and I like it fine. We can see houses and windmills 15 miles away. It is the prettiest country I ever saw in my life. We raise corn, wheat, oats, millet, Kaffir corn, milo maize, broom corn, sorghum and Mexican beans, and all kinds of vegetables. Everything that grows on a vine does well here, such as grapes, gooseberries, blackberries, watermelons, kershaws, pumpkins, squashes, cantaloupes, etc. We have abundant supply of the finest soft water. The grass is fine, and thousands of cattle and sheep are raised on these fertile plains. We have neighbors from nearly every state in the union, and this is the healthiest country on earth, I guess. There is no malaria or chills. In fact, I never see anyone sick here.

I have been a reader of Up-to-Date Farming only a short time, but I think it one of the grandest papers I have ever read. I sure enjoy the Cadet page. I am grateful to the editor for giving us a page. I like the post cards Mr. Everitt gave me for getting subscriptions. I am going to ask every Cadet to send me a post card, and I promise to answer every one.—James T. Grimes, Vance, New Mexico.

Dear Cadets: I am 15 years old. I live in Franklin, Maine, but I am visiting my sister in Eastbrook. My sister lives on a farm of 70 acres, and takes Up-to-Date, which I think is a fine paper. I have two brothers and two sisters. My brothers and one sister are married. I would like to exchange post cards with the Cadets.—Edith Springer, Eastbrook, Me.

Dear Cadets: I have black hair and eyes, am a little over 5 feet tall, and am 14 years old. I go to school at what we girls and boys call the North House. I will go in the 8th grade next year, and then to high school. My favorite studies are music, drawing, domestic art and geography. I agree with Carl W. Mayer that farm life is the most independent, and I like it very much. Carl, I would like to hear from you and others. I like Up-to-Date.—Anna May Bourne, Newark, Ohio.

Dear Cadets: I like to live here in Montana, and I think I would get lonesome if I were where I could not see any mountains. They look larger from where we live because they are only 10 miles away. I live on a farm of 240 acres in the southeastern part of the state. Our state flower is called the "Bitter Root." It is a wild flower and grows in sandy places very close to the ground. It is a small pink flower and somewhat resembles the rose. I am 11 years old, and will start in the 7th grade the first of September. We live 3½ miles from our school, and we ride horseback when we go. I enjoy reading the Cadet letters.—Mina Northy, Roberts, Mont.

Dear Cadets: I will be 17 July 31. I have always lived in Tennessee, but two years ago we came to Florida for our health. Our home is near two beautiful lakes, Apopka and Florence lakes. I enjoy fishing in a boat on the lakes. We are very busy now (June 20) canning and preserving peaches and other fruits. Florida is a land of plenty; we have so much fruit and so many vegetables. During the last two winters, instead of enjoying winter sports in snow and on ice, I have put in the time gathering oranges and grape fruit. In the spring and summer we have fish fries and picnics. We also get up crowds, take our dinner, and spend the day in the woods picking berries. Jacksonville is a beautiful city. We used to live near it. I have been taking Up-to-Date for some time, and I like it fine.—Lillie May Caldwell, Montverde, Fla.

Dear Cadets: I live on a farm of 80 acres a mile and a half south of Holliday, Kansas. Our crops consist of wheat, and oats this year. I have lived here only 4 years. I was born in Germany, and will be 12 years old Sept. 29. I have brown hair and eyes, am 5 feet and half an inch tall, and weigh about 90 pounds, and I would like to have a post card shower from the Cadets on my birthday. I would also like to correspond with some of the Cadets. My mother takes Up-to-Date, and we all think it is a nice paper.—Lattie Schlemmer, Merriam, Kansas.

Dear Cadets: I am a girl 13 years old. I live on a farm in the country. I have two pigs, one dog that does many tricks, and a little gray pony. I am in the 8th grade, and I like the country much better than the city. I would like to receive any cards from the Cadets. We think Up-to-Date is a fine paper.—Helen Davis, Edicon, Neb.

Dear Cadets: I am 16 years old, and am in the 8th grade. We live on a farm of 640 acres. We have lots of wheat and corn in this year. I have many pets among them a pony, and a dog that does many funny tricks. I think Up-to-Date is a fine paper. I would like to correspond with Grace Payne.—Sidney Davis, Edison, Neb.

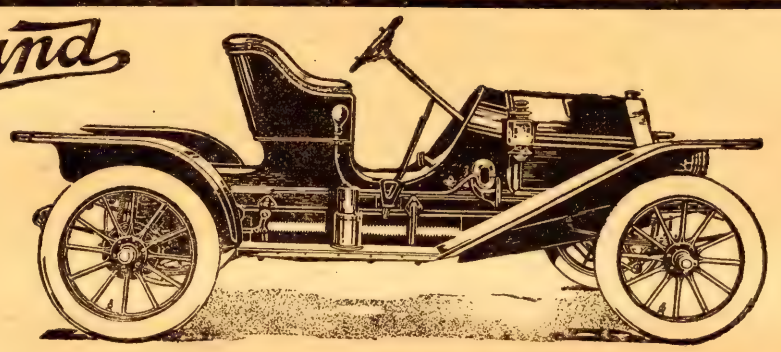
Dear Cadets: I am a farmer's daughter. I was 14 years old April 29, and I received 30 cards. I am 5 feet 3 inches high, and weigh 110 pounds. I have brown hair and gray eyes. I live on a farm of 60 acres. We raise corn, wheat, oats, timothy, clover and fruits. Our nearest town is 8 miles from here. My father has not taken Up-to-Date very long, but I like it fine. I think the country around here is nice. The ground is mostly fertile. I do not like to live in town. My pets are chickens, ducks, turkeys and geese.—Ruby Cobb, Lebanon, Ind.

Dear Cadets: I am 19 years old, and I live in West Virginia. Of course I love my state, as all the Cadets do. I live on a farm of 50 acres, and we raise corn, potatoes, beans and most anything that grows from the ground. I would like to receive cards from all the Cadets.—Franklin Philips, Beverly, W. Va.

Dear Cadets: Would you like to hear from a girl in New Hampshire? I have been reading some very interesting letters the cadets have written, and I would like to be one. My father takes Up-to-Date, and I like it very much. I am 15 years old, and attend high school about 5 miles away. Am having vacation now. I live on a farm of 40 acres, and I like the country very much. I would like to correspond with any of the Cadets, especially with Nellie Tipton of Tennessee.—S. Estelle Jones, Epping, New Hampshire.

How I wish I could print all the good letters that lie before me, but this is all we have room for now. I often wonder how many Pioneers of Equity there will be by next Christmas. Every Pioneer helps Up-toDate, and benefits the pople that subscribe. We want all the world to learn about Equity.

The Overland



The 25-horsepower Overland as shown in picture costs $1,000. The wheel base is 102 inches. Same car with single rumble seat costs $1,050; with double rumble seat, $1,075; with complete toy tonneau, $1,100.

Less Cost and Less Care Than a Horse

This is the reason why thousands of Overlands are going onto farms. Our sales for the year of 1910 will exceed 20,000 cars

A girl is now driving an Overland car from New York to San Francisco—just to show that a girl can do it.

A ranch in Texas has proved that 15 Overlands do the work of 50 cowboys on horseback.

Overlands are used in the U. S. Mail service. They have been for nearly two years. And scores of concerns are using Overlands for their road men, or for delivery cars.

All because the Overland is so simple, so reliable, so trouble-proof that it practically cares for itself. And the veriest novice can always keep it going.

Most Economical

The cost of the Overland is considerable less than any other car in its class. This is because it is made by the latest automatic machinery. Because we make the parts which others buy. And because of our enormous output.

Over $3,000,000 has been invested in model equipment, in labor-saving machinery. Thus we have cut the cost of Overlands 20 per cent within the past year alone.

An Overland has been run over 28 miles on a single gallon of gasoline. Many an owner has run thousands of miles without a penny in repairs, or a moment spent in adjustment.

The Simple Car

The Overland has fewer parts than any other automobile. One solid piece, in many a part, takes the place of many.

All the usual complexities have been eliminated, so the car is almost trouble-proof.

The operation is by pedal control. One goes forward or backward, fast or slow, by simply pushing pedals. A child can master the car in ten minutes.

The Overland is tested and inspected better than any other car in the world. So every owner gets a perfect car.

25 H. P.—$1,000

The 25-horsepower Overland roadster costs $1,000. The wheel base is 102 inches—the possible speed 50 miles an hour. The same car with tonneau costs $1,100.

The 50-horsepower Overland, with single rumble seat, costs $1,250. The wheel base is 112 inches. Other models cost from $1,300 to $1,500, and all prices include gas lamps and magneto.

No smaller maker, with lesser equipment, can begin to give so much for the money.

Prove These Facts

These are the facts which have brought the Overland its enormous sale. They are easily proved, for there are Overland owners everywhere. There are Overland dealers in 800 towns.

Please send this coupon for all the facts, and pictures of all the styles. Then make your comparisons. The more you investigate the better you'll see why the Overland won its success.

N 1

The Willys-Overland Co.
Toledo, Ohio
Licensed Under Selden Patent

Please send me the catalog free

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(100)



Up-to-Date Farming

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING CO., Inc.
Indianapolis, Ind.

J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

SUBSCRIPTIONS

SUBSCRIPTION PRICE. Two Years for 50c.

FOREIGN SUBSCRIPTIONS, **Including Canada.** Two Years for $1.00.

YOUR ADDRESS should always be written very plainly, including *County*. Do not give street or box number when not necessary to facilitate delivery of your mail. If on a rural route use the letters R. R. before the number.

RENEWALS AND CHANGES. Give the same as before. If a change from one member of the family to another, so state. If you change your postoffice give old as well as new.

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THE LATEST DATE shown with your address is the date to which your subscription is paid. Please keep your time paid in *advance*.

Farmers have learned how to produce.

—o—

From nearly all sections of the country come reports of bountiful crops and reports from many large markets tell of oversupply, gluts and all the attendant evils.

—o—

Potatoes are yielding so heavily that some growers are leaving them unharvested, because they cannot find markets to which they can be sent at a profit. Peaches are so plentiful in some sections that sufficient cars cannot be secured to carry them to market, yet without that portion some markets were glutted. Other vegetables and fruit have also been subject to the same troubles.

—o—

Wheat is plentiful in the winter wheat districts and many crops went on the market under $1.00, while the promise is for a very short yield in the spring wheat section. The spread of price between winter and spring wheat is about 25 cents a bushel in markets only a few hundred miles apart. The oat crop is so bountiful that dealers say: "We must buy very low because the crop is awful large." Corn is in the dumps also, because of excellent crop prospects and the price of hogs is tumbling because of the prospective large corn crop and lower prices.

—o—

And so it is all along the line and so it has been nearly every year. Farmers are very successful in producing, but they often meet crushing defeat in marketing.

—o—

We admit that there is a certain pleasure in seeing the crops grow and develop to maturity and there is a great satisfaction to the husbandman when his efforts to produce good crops are crowned with success. We would not have it otherwise. Notwithstanding the gluts on markets and often unprofitable prices to the producer there has been no real surplus. As long as there is a human being, or a domestic animal in the world that is hungry and the food is not present to relieve that hunger it cannot be claimed that a real surplus of any food crop has been produced in America.

—o—

Then what is the trouble? What is the remedy, if there can be one?

—o—

The trouble is, the unorganized way of marketing. The remedy is an organized system of marketing.

—o—

If farmers will spare enough time and attention from the mad race to produce more, to build the EQUITY SYSTEM of marketing as already explained in this paper, the annual disappointments and losses in marketing crops will be at an end. Also the "high cost of living" cry will not be heard in the land.

—o—

In a recent article in The Independent, Mr. William C. Brown, president of the New York Central Railroad system said: "We have been failing lately in agriculture" and he recommended producing more.

—o—

Mr. Brown is deceived, or he is advocating bigger crops so his railroads will have more tonnage to haul. We are producing enough but the abominable system of getting the supply to the final demand is responsible for the producers lack of net profits and the high cost of living. The cure for the former will also be the cure for the latter.

—o—

It may appear to the uninformed as contradictory when we say the producers at the one end can receive more and the consumer at the other end may actually pay less. But the EQUITY SYSTEM of marketing will actually do it. The key to the matter is in the 68 per cent that the present marketing system absorbs. In other words the consumer pays $1.00, the marketing system keeps 68 cents and passes 32 cents on to the man who produces.

—o—

The EQUITY SYSTEM will save the consumer 25 per cent., or he will pay 75 cents for what now costs $1.00. It will give the producer 25 per cent. more, 40 cents and the new marketing system will be run for the balance 35 cents.

—o—

Of course this illustration is only an approximation. We believe that 40 cents of farm produce can be passed to the ultimate consumer for even less than 35 cents, including transportation and all necessary handlers, graders, etc.

—o—

Perhaps we cannot present a stronger illustration of the need of the EQUITY SYSTEM of marketing than is contained in the following from an Indianapolis daily:

A Chicago woman wrote an Indianapolis relative telling her that now was the time to buy peaches. She had bought a bushel for 60 cents. The Indianapolis woman proceeded promptly to accept the advice, but was shocked to find at the grocery that the price was $2.00 to $2.25 a bushel.

Indianapolis dealers in peaches say the price depends largely on the quantity arriving. Some days Indianapolis prices look twice as high as Chicago because Chicago gets swamped. That big city also gets more off-quality fruit because it has better opportunities for disposing of it with its large and varied population.

The La Crosse Prairie Tract
A Million Dollars' Worth

of the finest corn, wheat and clover land in the Central West. Ten thousand (10,000) acres of highly cultivated, well drained land, with splendid buildings and improvements, in LaPorte and Porter Counties, Indiana, are now offered to the public for the first time. These lands are subdivided into magnificent farms of different sizes, each with a complete set of buildings. The farms are known as the LA CROSSE PRAIRIE TRACT, are located only two hours' ride from Chicago, and are served by six railway systems. Stations, reached by good, hard, level roads, are within two miles or less of almost every farm, thereby making the location unsurpassed.

The fertility of the soil of the LA CROSSE PRAIRIE TRACT is best shown by crop records covering a period of several years. The Geological Map shows the glacial soil deposit to range from 28 to 140 feet. It can never be exhausted under proper methods of cultivation. Wheat has averaged 34¾ bushels to the acre. Corn has been produced to the amount of 80 bushels per acre for five successive years. Clover has averaged over 3 tons to the acre and clover seed over 5 bushels to the acre. Water is wholesome, abundant and easily accessible; schools, good towns and churches are already established.

The lands embracing THE LA CROSSE PRAIRIE TRACT were purchased several years ago by two syndicates of Illinois men, associating themselves into two companies known as the La Crosse Land Company and the McWilliams Land Co. After thoroughly reclaiming these lands and placing them in a fine state of cultivation, splendid improvements were provided and high class tenants obtained. The affidavits below, which are but samples selected at random from many more, will prove conclusively how profitable these lands are, and will convince the most skeptical that these marvelously fertile lands, more productive and more profitable today than ever before, are not sold because unprofitable, but for the reason that is deemed best to close up the affairs of the company.

STATE OF INDIANA, LA PORTE COUNTY, | SS

O. H. CAREY, being duly sworn, upon oath deposes and says that he is a resident of La Crosse, Indiana, and has been seven years last past;

That he is the tenant on the farms belonging to George C. Cook, near La Crosse, and by reason of such makes the following statement, to-wit:

In the spring of 1907 I had twenty-five acres seeded to clover, the following year, 1908, I cut this clover between the 10th and 20th of June, using a tedder to cure it. I obtained fifty-five tons of fine hay, selling all I had to spare at $8.00 and $10.00 per ton in the stack. The second crop I let go to seed and cut and threshed the same, getting eighty bushels of clover seed, which was sold at $6.00 per bushel, bringing FOUR HUNDRED AND EIGHTY DOLLARS. The hay brought FIVE HUNDRED DOLLARS, making a total of NINE HUNDRED AND EIGHTY DOLLARS gross from twenty-five acres.

And further affiant saith not. (Signed) O. H. CAREY.

Subscribed and sworn to before me this 21st day of April, A. D. 1910.
(Seal) (Signed) FRANK J. COOK, Notary Public.
My commission expires Oct. 7th, 1911.

STATE OF INDIANA, LA PORTE COUNTY, | SS:

Luke D. Dewey, as manager of R. Huncheon, being first duly affirmed, says that he is a resident of the Town of La Crosse, County of LaPorte, in the State of Indiana, and has been for forty years last past.

That he is the manager of the following tract of land, described as follows, towit: The south one-half of Section 8, Township 23 North Range 4 West, situate in the County and State aforesaid; that during the crop year of 1907 he harvested off of forty-three acres of above described tract the following crops, towit:

Wheat, 1,494 bushels, or 34¾ bu. per acre, which he sold at 93c per bushel, receiving therefor the sum of $1,389.42
That he sowed clover in the wheat in the spring of 1907, and that in the summer of 1908 he harvested 82 tons of clover hay, which brought $5.00 per ton, amounting to the total sum of..... 410.00
That in the fall of 1908 he threshed 222 bushels of clover seed off of said land, which he sold for $8.40 per bushel, or..... 1,864.80
That the total amount received from said forty-three acres for two years, 1907 and 1908, aggregated $3,864.80

It from his personal observations he considers that the Kankakee Valley Lands when well drained, to be the best wheat and grass lands in the State of Indiana, and all of this affiant makes statement according to the best of his knowledge and belief. L. B. DEWEY.

Subscribed and affirmed before me this 21st day of April, 1910.
(Seal) (Signed) FRANK J. COOK, Notary Public.
My commission expires Oct. 7th, 1911.

Practically every member of these companies has a large area of lands scattered throughout the syndicate holdings which he owns individually. None of these are offered for sale, and many cannot be purchased, so great is the confidence in the wonderful and certain increase in value.

Prices range from $75 to $150 per acre. Terms are one-third cash, interest 5 per cent. New and accurate map and detailed information on request. Call or write.

SAMUEL S. THORPE

Sales Manager of the La Crosse Prairie Tract
1627 First National Bank Bldg., Chicago

If the EQUITY SYSTEM would have been in operation the exact demands of the Chicago and Indianapolis markets would have been known and just enough supply sent to each. The result would have been that the price would not have been so low in Chicago as to net the shipper a loss and the lady in Indianapolis would not have been shocked at the high price.

—o—

The Equity System of marketing deserves careful study by every producer, every consumer and every handler of farm crops; by every officer and agent of transportation companies and every employer of labor. Those who understand it will help to complete it and thereby aid in the greatest business reform and uplift of mankind of the century.

—o—

Following we print some expressions from business men who have studied the EQUITY SYSTEM. All of these people have had years of experience in handling produce under the old uncertain, unreliable and expensive system. They are of a class that is usually considered the enemies of farmers, but in the Equity movement all can unite and all will be benefitted. Instead of being enemies they now become co-operators with farmers to establish better marketing conditions:

O. B. Spooner of Boston, says:

This is truly an age of coming together. Gigantic methods are being used for handling all kinds of goods. I see no reason why I cannot co-operate with you to develop a system that will eventually happily surprise those connected with it and open the eyes of the old timers. I am anxious to put my shoulder to the wheel and see what will come out of what looks to be a very advantageous method for both producer and consumer.

W. L. Lyle, Huntsville, Ala:

I am of the opinion that the method of distributing farm produce is going to materially change in the next few years.

Thad Partridge, Mobile, Ala:

I am interested in the development of farms and farming. I believe your Equity System is a good one and should be carried out.

Thomas Howe, Montgomery, Ala:

Communications from your members and unions will doubtless bring about a thorough knowledge and understanding to our mutual advantage.

Mr. John T. Allen, of Los Angeles, Cal:

We cannot conceive of any market that needs the Equity System more than ours. For instance; we neded a great many potatoes the early part of the year from Idaho. By your system there would have been one agent and he knowing the demand could have controlled the supply and all would have brought profitable prices. But as it was a number of speculators and dealers glutted the market and a good many cars were sold for freight charges; others were stored and later sold for warehouse charges while others went to the dump. We are highly in favor of your system.

M. George & Co., Chicago, Ill., have been handling produce in Chicago beginning 1866, 54 years. They say:

We are in favor of farmers organizing to improve the market conditions and we will do all we can to help your movement along. On any business your members entrust to us they can be sure of a straight, square deal and that the goods have brought every cent possible for them. All their shipments should be made under the label "Equity" and be first quality, straight goods. If they will take special pains you can soon get a big call for the "Equity" brand and we will be able to get a better price for them.

Dubuque & Muuro, Albany, N. Y.:

We approve of your system and will be glad to co-operate with you to establish it.

The Nelson Sheppard Co., Columbus, O.:

We are glad to see an organization of the kind formed as we believe it will have a tendency for better handling farmers' products. We will be glad to work with you to establish the Equity System.

R. P. Smith, Johnstown, Pa.:

There is no question in my mind that your proposition is all right. There is entirely too much expense between the producer and consumer. I am selling for some associations now and they write me that they are realizing much better prices for their products. This is a big market, 75,000 population and practically all the grain, hay and heavy produce has to be shipped in.

H. M. Wood, Scranton, Pa.:

Your Equity System seems to be feasible. All I can do to promote it will be done.

Providence Brokerage Co., Providence, R. I.:

We are friends of the farmers and have always done our best to serve their interests in business. We solicit the farmers' produce. In this way they save shippers profit and get all their crops sell for.

J. S. Handley, Beaumont, Tex.:

Your Equity System appeals to me. I am more than glad to represent it.

H. E. Kinney, Indianapolis:

In the matter of wheat, corn and oats the difficulty encountered by the farmer in getting the best results from these shipments are in the matter of loading them properly, and making the shipment to the market in such a way, that the best results in selling can be obtained by the Equity System representatives who handle grain in the larger markets. If a member has not got a car load it is entirely feasible for two or more to join together where their wheat, oats or carn is like quality, and by making application to the "Equity System" on any market, receivve the exact shipping directions, and the best market to which it can be forwarded from any station in West, Southwest or Northwest.

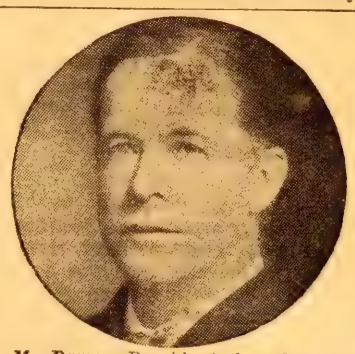
There are very few points east of the Mississippi River that will not work advantageously to the Indianapolis market. Many of these Southwest and West of the

(Continued on page 16)

Hoosier Capital to Lead Auto Industry

D. M. Parry, a former president of the Indianapolis Commercial Club, also president for three consecutive terms of the National Association of Manufacturers, and president of the Parry Auto Co., believes that Indianapolis will soon become the center of automobile production.

A good example of the great increase of the "Indianapolis-made" auto is given by the Parry Auto Co. Organized in July, 1909, only a year ago, it now consists of a plant occupying 24 acres of buildings and working over 350 men daily, who turn out from 10 to 20 finished cars every 24



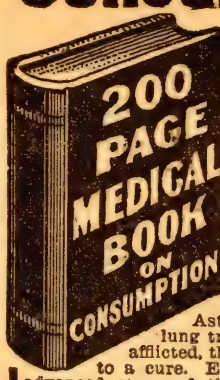
D. M. Parry, President for three terms of the National Ass'n of Manufacturers; former President of Indianapolis Commercial Club, President of the Parry Auto Co.; an honored and respected manufacturer of national reputation.

hours. Within 30 days after the organization of the company, orders had been received for $4,000,000 worth of Parry cars! The public is demanding cars of the Pary type, where plenty of power and handsome design is combined in a car of medium price.

The Parry Auto Co., have set their stakes for the manufacture of 5,000 cars in 1910, and it will be interesting to watch whether this new company can turn them out.

At present the plant is running in a most satisfactory manner and daily gathering momentum for its tremendous schedule. At its head is a capable manufacturer, and if you ask him he will smile and tell you it's really too easy.

Consumption Book FREE



This valuable medical book tells in plain, simple language how Consumption can be cured in your own home. If you know of any one suffering from Consumption, Catarrh, Bronchitis, Asthma or any throat or lung trouble, or are yourself afflicted, this book will help you to a cure. Even if you are in the advanced stage of the disease and feel there is no hope, this book will show you how others have cured themselves after all remedies they had tried failed, and they believed their case hopeless.

Write at once to the Yonkerman Consumption Remedy Co., 4214 Water Street, Kalamazoo, Mich., and they will gladly send you the book by return mail free and also a generous supply of the New Treatment, absolutely free, for they want every sufferer to have this wonderful remedy before it is too late. Don't wait—write today. It may mean the saving of your life.

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

BED WETTING Cured. 25c pkg. FREE C. H. ROWAN, Dept. 72, P.O. Drawer 794, Chicago

X-RAY KATHODOSCOPE. Latest pocket curiosity Everybody wants it; tells the time on watch through cloth, Apparently see your fellow, best girl or any object through cloth wood or stone, any distance, all climates; lasts lifetime; always ready for use. Price, 25c. stamps or silver Alden & Co., Sta. A, Indianapolis, Ind.



BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

Agents Wanted

AGENTS—Handy Hame Fastener. 200 per cent. profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

Farm Lands For Sale

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

Farms Wanted

FARM WANTED—I want information immediately about a good grain or stock farm for sale. There is a good buyer waiting for it, willing to pay your price. Write me at once for full particulars. Address Arthur Capper, Dept. 67, Topeka, Kan.

FARMS WANTED—We can turn a quick sale for you, as we are in close touch with buyers everywhere. Let us show you how to save agents commissions. Or if you want to buy property of any kind, anywhere, write us. American Investment Association, Minneapolis, Minn.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

Ginseng

GINSENG—best paying crop grown. Ginseng Culture free. Write for prices. W. N. Long, Florence, Ky.

Male Help Wanted

GET A BETTER PLACE—Uncle Sam is best employer; pay is high and sure; hours short; places permanent; promotions regular; vacations with pay; thousands of vacancies every month; all kinds of pleasant work everywhere; no lay-offs; no pull needed; common education suffiicient. Ask for free booklet H 839 giving full particulars and explaining my offer of position or money back. Earl Hopkins, Washington, D. C.

LOCAL REPRESENTATIVE WANTED. Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Addrss E. R. Marden, Pres. The Nat'l Co-op. Real Estate Co, Suite 511 Marden Bldg., Washington, D. C.

SALESMEN AND SALESWOMEN WANTED—Thousands of good positions now open, paying from $1,000 to $5,000 a year and expenses. No former experience needed to get one of them. We will teach you to be an expert salesman or saleswoman by mail in eight weeks and assist you to secure a good position and you can pay for your tuition out of your earnings. Write today for full particulars and testimonials from hundreds of men and women we have placed in good positions pay- $100 to $500 a month and expenses. Address nearest office. Dept. 444 National Salesmen Training Association, Chicago, New York, Minneapolis, Atlanta, Kansas City, San Francisco.

WANTED—Railway Mail Clerks, Clerks at Washington, D. C., City Carriers and Postoffice Clerks. High Salaries. Annual vacations. Steady work. Common education sufficient. Fall examinations everywhere. Preparation free. Write immediately for free schedule showing dates and places. Franklin Institute, Dept. W 27, Rochester, N. Y.

Orchard and Nursery

FARMERS, WAKE UP! And grow seedless fruit. It will be dollars in your pockets. Full instructions sent for $1.00. Martin Co., Box 74, Redding, Cal.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to M. George & Co., 95 S. Water St., Chicago. Established 1866. Member the National League of Commission Merchants of the U. S. This house has special terms to quote to members of the F. S. of E.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

USE THIS BLANK BEFORE YOU MARKET ANY CROPS

1 DOLLAR

FARMERS SOCIETY OF EQUITY
Indianapolis, Ind.

GENTLEMEN: I want to be enrolled as a **Member-at-Large** in the **Farmers Society of Equity** and be entitled to all the benefits thereof.

I enclose $1.00. Please send me by return mail a member's card, button, the official paper, UP-TO-DATE FARMING, one year, the Key to the Equity System, how to use it and get the benefits of it, books, blanks, etc. (If a subscriber to UP-TO-DATE FARMING now your time will be extended a year for this payment.)

My
Name .....

R. F. D..... P. O. .....

County ..... State .....

My shipping Station is ..... Are you a subscriber to .....Up-to-Date Farming now?.....

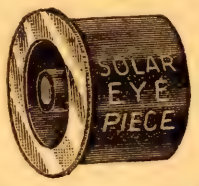
GREAT SPECIAL OFFER

Everybody wants a telescope. Who has not wanted to study the stars at night? Who has not needed to see things at a distance?

But a good telescope has heretofore been out of reach of the masses because of the price. A small, inferior glass would cost a good many dollars. We want to introduce the Excelsior Telescope into thousands of new homes so make this most liberal and astonishing special offer. Tell your friends—advertise it—that is the object of this offer. Only $1.00 for a telescope three and one-half feet long when extended. Measure the distance—42 inches. The like was never known before. Order today before our supply is exhausted. Remember we guarantee satisfaction or money back. No risk when you order an Excelsior Telescope. And we will include a Solar Eye Piece that has never been supplied before on telescopes selling for less than many times the price of this. Study the sun—look at him face to face by using the Solar Eye Piece.



Telescopes heretofore provided with a Solar Eye Piece or dark lens for sun observation have cost from $8.00 up. We have reproduced a Large Solar Telescope, which for $1.00 will enable people to correctly see the sun for the first time. Previously you have only seen the rays of light, or sunbeams.



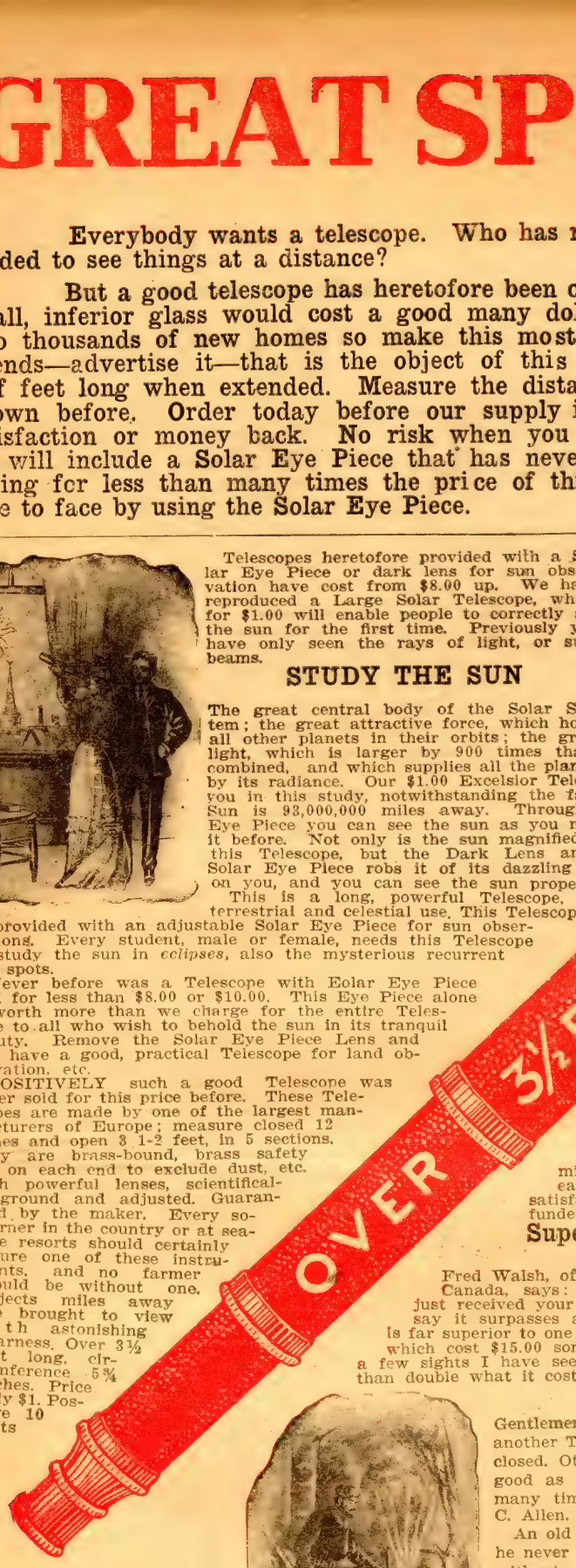
STUDY THE SUN

The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light, which is larger by 900 times than all the planets combined, and which supplies all the planets with energy by its radiance. Our $1.00 Excelsior Telescope will help you in this study, notwithstanding the fact that the Sun is 93,000,000 miles away. Through the Solar Eye Piece you can see the sun as you never saw it before. Not only is the sun magnified through this Telescope, but the Dark Lens and the Solar Eye Piece robs it of its dazzling effect on you, and you can see the sun properly.

This is a long, powerful Telescope, for terrestrial and celestial use. This Telescope is provided with an adjustable Solar Eye Piece for sun observations. Every student, male or female, needs this Telescope to study the sun in *eclipses*, also the mysterious recurrent sun spots.

Never before was a Telescope with Eolar Eye Piece sold for less than $8.00 or $10.00. This Eye Piece alone is worth more than we charge for the entire Telescope to all who wish to behold the sun in its tranquil beauty. Remove the Solar Eye Piece Lens and you have a good, practical Telescope for land observation, etc.

POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3 1-2 feet, in 5 sections. They are brass-bound, brass safety cap on each end to exclude dust, etc. with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1. Postage 10 cents extra. If insurance is desired, 10cts. more. This is a grand offer, and you should not miss it. We *warrant* each Telescope to give satisfaction or money refunded.



Superior to a $15 Glass

Fred Walsh, of Howe Island, Ont., Canada, says: Gentlemen—I have just received your telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are more than double what it cost me.



Brandy, Va.

Gentlemen:—Please send me another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money.—R. C. Allen.

An old hunter tells us that he never goes into the woods without a strong lense to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines.

Microscope and Telescope

I have fairly tested the Excelsior Solar Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.—F. S. Taylor, Box 376, Davenport, Iowa.



Using the Eye Piece of an Excelsior Telescope as a Microscope.

BUY THE BOY A TELESCOPE

Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy,* if he is given a few ideas now to think about.

There are always many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*

HISTORY OF THE TELESCOPE

The telescope seems to have originated in Holland early in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own Excelsior Telescope was first brought out in 1886, but the Excelsior Telescope of today, with its Solar Eye Piece, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.

COUNT CATTLE 20 MILES AWAY



A Kansas Farmer Counting Stock Twenty Miles Away

I wish all to know how satisfactory the Excelsior Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, Yours truly, F. G. Patton, Arkansas City, Kans.

Mr. C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes, says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.



Could Discern Boats from Five to Ten Miles Away

GOOD THINGS OTHERS SAY

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.

Very satisfactory.—Eugene J. Halle, Booneville, Mo.

Wonderful at the price.—Alfred L. Edwards, Athol, N. Y.

Satisfactory in every way—H. J. O'Sullivan, Schnectady, N. Y.

Much better than expected.—O. R. Oakley, Bridgeport, Conn.

Just as you represented.—T. W. Wakeman, Waterlick, Va.

Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.

Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.

Would not take $5 for it.—Thomas L. King, Luffman, S. D.

If I could not get another, would not sell it for $10.—J. T. Huntre, Falls, N. C.

Could read signs on Oakland Pier, three miles away.—E. Salanave, San Francisco, Cal.

Send two more; well pleased with first one.—J. W. Seifert, Prattville, Ala.

WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room to print.

You need not take our word for it, but write ony one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITY,* and send us the money, *and we will guarantee you perfect satisfaction or money refunded.*



Using an Excelsior Telescope Lens to Light Cigar

SUN SPOTS



The mysterious spots on the Sun. Get our Solar Telescope and see them.

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the general level. Their cause and the precise theory of their formation are still uncertain. At intervals they are very abundant; then there are periods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and the violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effects upon the weather!

Let the keynote of this advertisement be implicit confidence in us, and we will make good or money refunded.

A Telescope brings new brain cells into play; it opens new avenues of thought and broadens one's resources.

Interesting booklet entitled "Telescope Talk" FREE with each order. This booklet tells all about the care of telescopes, eclipses of sun and moon, etc.

THE GREAT $1.00 WONDER

The Pleasure and profit derived from this Telescope is like money invested at compound interest—the longer you have it the more you get out of it.

PRICE $1.00—10c extra for postage; 20c extra by insured mail. Send your order today. Don't miss this opportunity.

People's Wholesale Store, Dept. C, Indianapolis, Indiana

THE LOCAL UNION

(Concluded from page 14)

Mississippi River might do better to other markets. This is a matter that would have to be taken up with the grain representative and he given the opportunity of furnishing specific instructions for shipping and handling with regard to the railroad, and the rates of tariff in effect from the shipping point in the different markets. In all of these matters, grain handlers have experts who maintain a complete bureau of railroad tariffs, and can give immediate advice upon all these points.

—o—

If you have read what was printed in former issues of this paper descriptive and explanatory of the EQUITY SYSTEM you should now be ready to qualify to use it this year.

—o—

All that is necessary is to become a member of the Farmers Society of Equity. Then full, confidental instructions and the key to use the system will be sent at once. We want to get as many as possible of our readers to use the system in marketing this year's crops. Their enthusiasm will cause them to tell all their neighbors about it when they will become members and use it too.

—o—

It is evident the immense local advantages such pleased members will be and we want some members in each community at once. Join the local if there is one at your shipping town but if there is not send the coupon ON PAGE 14.

—o—

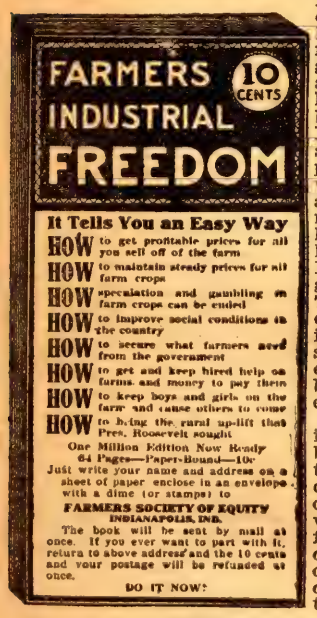
If you think you are not ready to become a member, or want to learn more, and particularly if you will not have any crops to market for a while then send the coupon in this column and get the book, Farmers Industrial Freedom, 64 pages and supplement, price 10 cents.

—o—

Decide what you will do, but better send one of the coupons today. Detach, sign and mail one before you lay this paper down. Either one will be the best "move" of your life.

—o—

Send For This Great Book



Every farmer in the land should read this great book and see that his neighbors read it. It teaches a simple and practical way to solve all the farmers' problems that are listed here. It makes the great EQUITY SYSTEM of marketing clear and shows how easily it can be established.

This book is valuable beyond price to every producer of any crops, but will be sent for only 10 *cents*, or ten copies for 50 *cents*. Use this

COUPON

Farmers Society of Equity,
Indianapolis, Ind.

Enclosed is.....for which send me

.....copies of *FARMERS INDUSTRIAL FREEDOM and SUPPLEMENT*

My
Name .....

My
Address .....

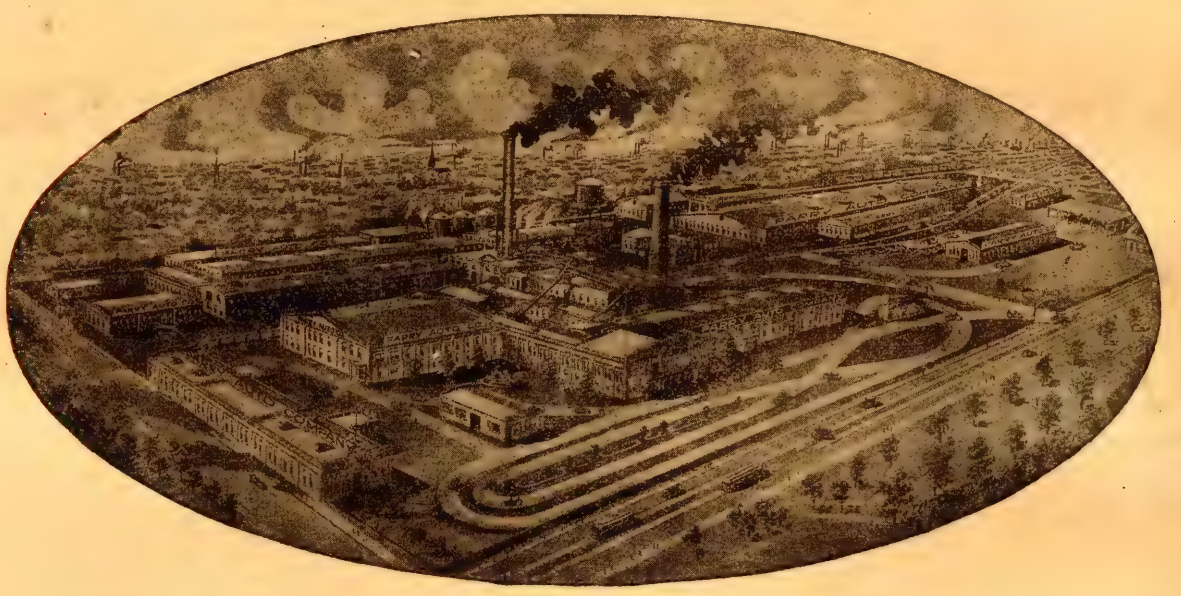
CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble.

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 55, Sta. F, Toledo, Ohio.

FOR INVESTMENT

A Limited Amount of Capital Stock in a Live Automobile Manufacturing Business



The Plant of the Parry Auto Company, Indianapolis, Ind.

Our business since we organized July 31st last year, has been growing so rapidly and the opportunities are so tremendous, that we need capital, to increase the size of our plant and operate our factory, faster than we can earn it through dividends.

The manufacturing of motor cars is rapidly becoming the greatest industry in this country, and millions of dollars are being made.

You will realize on investigation that the field has hardly been scratched in either the pleasure or commercial lines.

There is no question but what the automobile will eventually supersede the horse almost entirely, both in the city and the country.

The farmer at the present time is the largest consumer of automobiles, and will be in the future. His influence in the selling of a particular make is greater than any one else.

As D. M. Parry, our president, is one of the greatest manufacturers in the country, being best known to the farmers in the manufacture of vehicles, we have decided to get as many stockholders among them as we can, so that through their influence the good name of the PARRY CAR will be spread far and wide.

For this reason, we are offering a limited amount of our capital stock in blocks of $100.00 to $5000.00. Those who are interested will please write, and we will take the matter up with them in detail.

We are unable to supply the demand of our automobiles for the 1910 season, and 1911 bids fair to be more than 100 per cent greater.

According to licenses issued by the different states, 1909 shows an increase of almost 100 per cent over 1908, and the first six months of 1910 shows as many as the entire year of 1909.

This is a rare opportunity to invest in a legitimate automobile manufacturing business and we will be glad to hear from you at once.

PARRY AUTO COMPANY, Indianapolis, Ind.

By W. D. OAKES, Treasurer.

Easy Money For You



You can easily earn $5 to $10 a day taking orders for our Stylish, Made-to-Measure clothes—many agents earn more. No money or experience necessary—we teach you the business & back you with our capital.

$5.00 TO $10.00 A DAY.

SUITS $9.00 up PANTS $2.50 up

EXPRESS PREPAID

Every garment made to measure in latest city style—fit and workmanship guaranteed. One Hustling Agent wanted in every town. Exclusive territory. Write for agent's outfit FREE

THE PROGRESS TAILORING CO.
144 Harrison Street, - Chicago

AGENTS 134% Profit



Patented
Safety Hold-Back

Write For Free Sample

New Agents' Proposition. Every owner of a vehicle buys. Saves time in hitching and unhitching. Insures safety in accidents—runaways—collisions. Just out. Thousands being sold. We absolutely control the sale of this wonderful seller. $3.50 to $7 a day profit.

L. THOMAS MFG. CO., 4281 Wayne St., Dayton, Ohio



AGENTS—My Sanitary Coffee and Tea Makers produce a pure, sweet cup. Needs no settler nor strainer and never wears out. Saves tea and coffee, money and health. New inventions. Send 15c for 50c size of either, postpaid, or will send sample of both for 25c. Without question the two best selling articles ever invented. Order both.

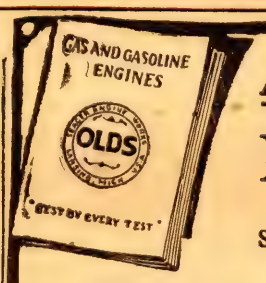
Dr. Lyons, 442 Day St., Pekin, Ill.

$180,340.00

MADE BY MY CLIENTS
YOU Ought To Have My FREE BOOKS

telling HOW OTHERS will do the same IN THE FUTURE. "WHAT and HOW to INVENT" BOOK FREE!

E. E. Vrooman, Pat. Lawyer, 838F., Washington, D.C.



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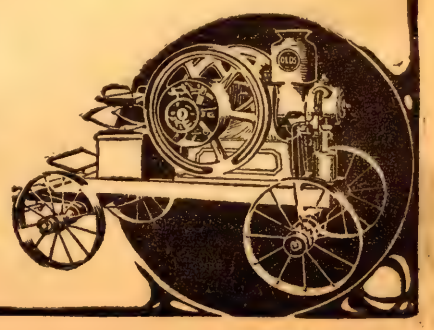
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Up-to-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, AUGUST 15, 1910 | Number 16

A Morning Scene at the Office of Up-to-Date Farming and the Farmers Society of Equity



Naturally the people out all over the broad land of the United States will take a keen interest in the things that are done at the headquarters of the national Farmers Society of Equity and its official paper. We would like to print more of the details of the work at headquarters and how it is done, but space is nearly always lacking and all the type that we cannot put inside of the chases must be omitted.

But future numbers will have more pages, also, while we are not saying anything about it for fear that all present subscribers will want to extend their time for a year or two at the present extremely low rate, we do expect to print Up-to-Date Farming weekly, beginning January, 1911. Then we will have space for heart to heart talks and to let our readers into our plans more and how they are carried out by the people at headquarters who are working harder and better than any people ever did before to lift up agriculture and benefit all farmers.

The picture in the upper left hand corner shows what occurs every morning, except Sunday morning in front of our building. Our mail is the heaviest delivered to any one office in Indianapolis and the first delivery is at exactly 6:50 A. M. each day.

The illustration in the lower corner shows one mail just as it was emptied from the sacks. There were over 2,500 letters in this first morning delivery and there are three more deliveries each day, by foot carriers.

The carrier in charge of the auto delivery is Mr. Geo. W. Selgrove. He has been in the carrier service in Indianapolis 41 years. He is now 60 years old and is believed to have the longest continuous record of any carrier in the country. Mr. Edward Crawley is the foot carrier and he has the distinction of handling more pieces of mail matter than any other carrier in the whole country. (He handles and sorts the mail delivered by the automobile and makes 4 foot deliveries daily.) The man receiving the mail by the auto is Mr. George Kalb who has been a valued employee of ours for many years.



THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

GREAT SPECIAL OFFER

Everybody wants a telescope. Who has not wanted to study the stars at night? Who has not needed to see things at a distance?

But a good telescope has heretofore been out of reach of the masses because of the price. A small, inferior glass would cost a good many dollars. We want to introduce the Excelsior Telescope into thousands of new homes so make this most liberal and astonishing special offer. Tell your friends—advertise it—that is the object of this offer. Only $1.00 for a telescope three and one-half feet long when extended. Measure the distance—42 inches. The like was never known before. Order today before our supply is exhausted. Remember we guarantee satisfaction or money back. No risk when you order an Excelsior Telescope. And we will include a Solar Eye Piece that has never been supplied before on telescopes selling for less than many times the price of this. Study the sun—look at him face to face by using the Solar Eye Piece.



Telescopes heretofore provided with a Solar Eye Piece or dark lens for sun observation have cost from $8.00 up. We have reproduced a Large Solar Telescope, which for $1.00 will enable people to correctly see the sun for the first time. Previously you have only seen the rays of light, or sunbeams.

STUDY THE SUN

The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light, which is larger by 900 times than all the planets combined, and which supplies all the planets with energy by its radiance. Our $1.00 Excelsior Telescope will help you in this study, notwithstanding the fact that the Sun is 93,000,000 miles away. Through the Solar Eye Piece you can see the sun as you never saw it before. Not only is the sun magnified through this Telescope, but the Dark Lens and the Solar Eye Piece robs it of its dazzling effect on you, and you can see the sun properly.

This is a long, powerful Telescope, for terrestrial and celestial use. This Telescope is provided with an adjustable Solar Eye Piece for sun observations. Every student, male or female, needs this Telescope to study the sun in *eclipses*, also the mysterious recurrent sun spots.

Never before was a Telescope with Eolar Eye Piece sold for less than $8.00 or $10.00. This Eye Piece alone is worth more than we charge for the entire Telescope to all who wish to behold the sun in its tranquil beauty. Remove the Solar Eye Piece Lens and you have a good, practical Telescope for land observation, etc.

POSITIVELY such a good Telescope was never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3 1-2 feet, in 5 sections. They are brass-bound, brass safety cap on each end to exclude dust, etc. with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1. Postage 10 cents extra. If insurance is desired, 10cts. more. This is a grand offer, and you should not miss it. We *warrant* each Telescope to give satisfaction or money refunded.



Superior to a $15 Glass

Fred Walsh, of Howe Island, Ont., Canada, says: Gentlemen—I have just received your telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are more than double what it cost me.



Brandy, Va.

Gentlemen:—Please send me another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money.—R. C. Allen.

An old hunter tells us that he never goes into the woods without a strong lense to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines.

Microscope and Telescope.

I have fairly tested the Excelsior Solar Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.—F. S. Taylor, Box 376, Davenport, Iowa.



Using the Eye Piece of an Excelsior Telescope as a Microscope.

BUY THE BOY A TELESCOPE

Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy,* if he is given a few ideas now to think about.

There are always many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*

HISTORY OF THE TELESCOPE

The telescope seems to have originated in Holland early in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own Excelsior Telescope was first brought out in 1886, but the Excelsior Telescope of today, with its Solar Eye Piece, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.

COUNT CATTLE 20 MILES AWAY



A Kansas Farmer Counting Stock Twenty Miles Away

I wish all to know how satisfactory the Excelsior Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, Yours truly, F. G. Patton, Arkansas City, Kans.

Mr. C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes, says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.



Could Discern Boats from Five to Ten Miles Away

GOOD THINGS OTHERS SAY

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.

Very satisfactory.—Eugene J. Halle, Booneville, Mo.

Wonderful at the price.—Alfred L. Edwards, Athol, N. Y.

Satisfactory in every way—H. J. O'Sullivan, Schnectady, N. Y.

Much better than expected.—O. R. Oakley, Bridgeport, Conn.

Just as you represented.—T. W. Wakeman, Waterlick, Va.

Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.

Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.

Would not take $5 for it.—Thomas L. King, Luffman, S. D.

If I could not get another, would not sell it for $10.—J. T. Huntre, Falls, N. C.

Could read signs on Oakland Pier, three miles away.—E. Salanave, San Francisco, Cal.

Send two more; well pleased with first one.—J. W. Seifert, Prattville, Ala.

WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room to print.

You need not take our word for it, but write ony one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITY,* and send us the money, *and we will guarantee you perfect satisfaction or money refunded.*



Using an Excelsior Telescope Lens to Light Cigar

SUN SPOTS



The mysterious spots on the Sun. Get our Solar Telescope and see them.

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the general level. Their cause and the precise theory of their formation are still uncertain. At intervals they are very abundant; then there are periods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and the violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effectcs upon the weather!

Let the keynote of this advertisement be implicit confidence in us, and we will make good or money refunded.

A Telescope brings new brain cells into play; it opens new avenues of thought and broadens one's resources.

Interesting booklet entitled **"Telescope Talk" FREE** with each order. This booklet tells all about the care of telescopes.

THE GREAT $1.00 WONDER

The Pleasure and profit derived from this Telescope is like money invested at compound interest—the longer you have it the more you get out of it.

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People's Wholesale Store, Dept. C, Indianapolis, Indiana

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Cold Storage, Food Supply and Price

THE papers are not yet done talking about the "high cost of living," and people who buy foodstuffs are not yet done paying high prices. As is usual in such cases, various solutions are sought for a common problem, and, as yet, no solution has been proposed that is easily applied or promises to really solve the problem.

The keeping of foodstuffs off the market by holding them in cold storage is made to figure conspicuously in the situation, and there is little doubt that it plays an important part. If all the articles of human food that are now held in cold storage were immediately withdrawn and placed upon the market, there is scarcely a doubt that every market would be glutted, and prices would drop far below the line of profit to the producer. We are told that, not long ago, twelve tons of eggs that had spoiled in storage were taken from a single house in New York. This incident aroused considerable newspaper comment. Among others it induced the Washington Post to indignantly exclaim:

> If half one hears is to have even the slightest credence the cargo of twelve tons of eggs served the wicked and atrocious purpose of the rascals who put them in cold storage. They were withheld from the market and consigned to the dump in order to maintain a high price for eggs That is what it is and all it is. If eggs were the only food so withheld from the mart, it would little matter in the aggregate; but the market is forestalled in many like ways.

We do not say the comment is entirely unjustifiable, but cold storage is not to be inconsiderately condemned. It may well be considered one of the many things that have been discovered and developed just in time to meet the exigencies of the human race. There are many naturally perishable products that are necessary to the support of the people. These commodities have their season of production, and that season cannot be so prolonged as to supply the demands of the year. During the old days when producers so far exceeded non-producing consumers, this difficulty was easily overcome and the shortage was scarcely felt. But as population increased, and the proportion of non-producers to producers was radically changed, it became imposible to supply the continuous demand for food products each in its season. It was then that cold storage came to the rescue, and commodities that over supplied the season demand were held to meet the continuous demand of the year. This not only saved the people from shortages out of season, but it made possible a reserve supply to prevent want in seasons of short production. It guarantees a supply whether the fields and pastures yielded abundantly or temporarily failed. Storage was, therefore adopted to perform the function of a balance wheel, and it should have not only equalized and made safe the supply, but it should have maintained steady and equitable prices—took care of a surplus that in season would glut markets and destroy prices, and held the supply to meet inordinate demands or accidental scarcity, and thus prevent extortionate prices. If cold storage has done more than that, or different from that, we suppose it is attributable to the "wicked and atrocious purposes of the rascals" who control the storage.

The human race has learned from bitter experience that the best of things may be abused, but that does not prove the thing itself is bad. The farmer cannot know, when he plants and cultivates, whether there is to be an abundance or a scarcity; whether the quantity produced will bring to him on the market a profit or a loss. We believe, therefore, that the farmer is morally justified in withholding from the market a surplus that would make too low a price and destroy his profits. The moral obligation is that he must not hold to compel extortionae prices or inordinae profits. The same is true of the buyer of products. He has a moral right to hold those products to guard himself against loss. If he has purchased unwisely he must abide by the losses incident to his lack of wisdom; but if, in legitimate trade, he finds prices below the line of equitble profits in his transactions, he may hold till the prices bring such profits.

The unsettled question is, who is to determine where equity ends and extortion begins? Selfishness is such a dominating element in the human make up, and personal greed is so nearly universal that the individual can scarcely be trusted. That ponts to society rather than to personal or individual control. The suggestion of government regulation of cold storage and the holding of surplus products is not very reassuring. The government now pretends to "regulate" some of the most unblushing monopolies, but it is very clearly a "regulation which does not regulate." Could we expect the regulation of cold storage to be any more effective for good? Not while the profits inure to individuals or corporations, which are only individuals combined for selfish purposes. We believe the original plan of the Society of Equity, which is still the plan of the Farmers' division of that society, affords the very best solution. But in the absence of that, government ownership of the storage plants, and government fixing of prices based strictly on supply and demand, with only equitable profits to producers, transporters and handlers, is the solution. For the government is but the people in unity of action. Government regulation of concerns carrying private gains is a farce. It is worse; it is a field for graft, boodle and corruption.

A Corporation to Furnish Farmers Homes

SOME OUR readers have no doubt read of a plan recently developed in Missouri to give homeless farmers a chance to obtain a home. Farm and Fireside thus gives the details of the plan.

> Here's something new! A million-dollar corporation to buy lands at ten dollars an acre and settle people on forty-acre farms. On each farm to be placed buildings and fences to cost four hundred dollars, stock and tools to cost three hundred, and implements and implements to cost one hundred dollars; the whole farm plant to cost one thousand two hundred dollars for each settler is to be trusted. Thirty-two of these small farms to be grouped about one quarter-section place, on which will be a creamery, heavy machinery, ensilage and feed cutters, saw-mill and the like, with a director who will be the teacher and counselor of the farmers. The entire outfit to cost fifty thousand dollars. All the operations to be systematized and organized, and all the markets to be co-operative. Such is the outline of the National Farm Homes Association proposed by the Governor and the Commissioner of Immigration of Missouri, with whom is associated Frederick D. Tucker, formerly connected with the Minnesota College of Agriculture.
>
> Other prominent people are said to be in the scheme, and we believe the present movers are entirely sincere. Moreover it is a magnificent proposition, safe to the capitalists, and affording unusual opportunities to honest and industrious families. But corporations are corporations. They are not always controlled by the same people. Follow this scheme to its full possibilities.
>
> The country's surplus capital is now held by monopolistic combines, and that is the capital that must establish these homes. Capital never fails to secure itself, and it will not fail in this case. It will see to the management of these farms and factories. Let them spread over the country, and get control of the agricultural middle west. The very combines that now control transportation, manufacture and mining will then control farming and production, and capitalistic domination will be complete. "When the sons of God assembled together, satan came also."

VICTORY WITHOUT WAR

We are glad to note that the Burley tobacco growers have eliminated the isms that disrupted them, and have united to continue the control and management of their business. The growers themselves are made the arbiters of their own that is, they are to determine by a general vote whether a pool shall be declared.

We regret, however, their idea of victory is that it can only be won by a fight. A peaceful victory is much better, and much easier won, as a rule, than one which must be fought for. Our idea of controlled marketing is to do it in peace. The sellers and the buyers ought to be friends, and generally if buyers are met in the spirit of equity and friendship, they will meet the sellers on the same equitable grounds.

PUBLISHING AN OFFICI PAPER

THE Grange state masters it seems recently rejected a proposition submitted by the National Grange for the publication of an official paper. We do not fully understand the terms upon which the paper was to be published, but it appears that the National Grange was to make an annual appropriation of a large sum for its support, and was to obligate itself to purchase the outfit at par should those who undertook the publication fail to make good.

As the official paper of the Society of Equity, UP-TO-DATE FARMING never asked a bonus of any kind, nor any sort of guarantee. Mr. Everitt established the plant and published the paper wholly at his own expense. All he asked was that each member be a subscriber at reduced, or club rates, and that he be assured a sufficient length of time to justify the enormous expenditure necessary to the undertaking.

But a few selfish schemers conceived the idea that they were born publishers, and that they could manipulate an official paper in such a way as to redound to their own glory and wealth, provided the National Union could be induced to furnish the capital and everything else. In an ill-starred moment that was undertaken and the greatest farce of newspaper history has been added to the list of publication failures. UP-TO-DATE FARMING is doing a bigger business than ever while the new venture piled up debts from the time the 1907 deceived convention authorized its publication until now, under date of August 1, 1910, comes the announcement that "The Equity Farm Journal has recently changed hands and it is being published by the Peoples Equity Exchange, Publishing and Trading Union." Whatever that is we don't know but T. G. Nellson says "the company exists in name only," which is quite in keping with his other activities. We think the Grange Masters did wisely in rejecting a publication on any such a plan.

A TALE FROM MEXICO

AN investigation is now proposed in the lower house of the American congress, of the charge that American interests worth more than $900,000,000 have fastened upon the republic south of us, and are actually exercising undue influence on the government of that country. The Guggenheims, that have absorbed so much of our own Northwest, it is charged, have entire control of the copper output of Mexico. The Continental Rubber company, a Rockefeller interest, is said to control nearly all the rubber producing lands. The Standard Oil company has, it is alleged, a practical monopoly of the Mexican petroleum business. The Southern Pacific railroad company and the Harriman heirs control two-thirds of the railroad lines in Mexico. The sugar trust has acquired a practical monopoly of the sugar business. The Wells-Fargo express company monopolizes the express business. It would be interesting to know what there is left for enterprise, or for the people, in Mexico. And it would be hard to tell, if these things are true, which represents the greatest financial power in that republic, the stars and stripes or the flag of Mexico.

A LESSON IN PRICE BUILDING



See the pretty blocks! P stands for the price the farmer gets; M stands for the cost of the old marketing system and C stands for what the consumer pays. Do you know how to make the little block larger and the biggest block smaller? The Equity System of marketing will do it.

METHODS AND RESULTS

IT is nearly all in the way people do things. Some interesting figures given in the Progressive Farmer, afford food for thought. In Massachusetts, New York and Pennsylvania, the average annual income per farm worker is $388; the average number of acres cultivated per farm worker is 33; the average value of farm implements per farm worker is $150; the average number of horses and mules per farm worker is a little more than one and a third; the average number of milk cows per farm worker is a little less than three and a half; the average amount per farm worker received for the sale of live stock is $68.

Comparing these three prominent northeastern states with three corresponding southern states, we find the average annual income per farm worker in Virginia, and North and South Carolina, is $184; the average number of acres cultivated per farm worker is 22; the average value of farm implements per farm worker is $22; the average number of horses and mules per farm worker is three-fourths of one; the average number of milk cows per farm worker is little more than a half of one; the average amount received for the sale of live stock per farm worker is $23.

A still greater contrast is shown in comparing Iowa, Illinois and Indiana with Alabama, Louisiana and Missippi. In the three first named states the average income per farm worker is $663; the average number of acres cultivated per farm worker is 63; the average value of farm implements per farm worker is $110; the average number of horses and mules per farm worker is nearly three and a quarter; the average number of milk cows per farm worker is two and a half; the average amount received for sale of live stock per farm worker is $212.

In the three southern states last named, the average annual income per farm worker is $189; the average number of acres cultivated per farm worker is 16; the average value of farm implements per farm worker is $36; the average number of horses and mules per farm worker is nine-tenths of one; the average number of milk cows per farm worker is a little more than a half of one; the average amount received for the sale of live stock per farm worker is $13.

We give these figures not to show the southern states in an unfavorable light, but rather to contrast some of the methods of the different peoples. In the northern states more horse power is used, as is more farm machinery, and more acres are cultivated per man. Also more milk cows are kept, and more live stock is sold. We are told by those who are acquainted in both sections that northern farmers exercise greater economy of time, and that southern farmers are less saving of what they produce. Northern farmers, too, exercise greater control over their markets, and hence get better prices for their stuff.

But southern farmers have climatic advantages much superior to those of the north. The early opportunity to do farm work, the long growing and maturing season, the ease with which perishable products may be held—all these count heavily in favor of the South. We long to see the day when the farmers of the whole country will co-operate together, each benefiting by the employment of the very best methods, and all working together for the accomplishment of the great purposes of their calling.

POTECTION BY TAXATION

PROTECTION by taxation is well established and variously practiced in the United States. It is the theory on which our entire tariff system is based. Articles of foreign manufacture offered for sale in this country are taxed to protect the manufacturers of like commodities here. Private banks of issue were taxed out of existence to protect the national banks. Various products of other countries are taxed when imported to this country to protect the producers of such products in the United States. And so on.

After a long and hard struggle a law was secured that imposed a tax on oleomargarine, a spurious and fradulent product, to protect the dairy interests of the country in the manufacture and sale of real buter. There is now being cultivated by the packers, the principal manufacturers of oleomargarine, a sentiment favoring the repeal of that law and the elimination of the tax. The argument is that the tax is unfair in that it makes one class pay for the protection of another.

If that argument is good it uproots our entire system of special taxation. Every consumer of manufactured foodstuff, every wearer of clothing, every eater of bread and meat, and every user of any manufactured article, is taxed to protect the maker or producer thereof. Why is it not just as legitimate to require the makers of spurious commodities to pay a tax to protect honest butter makers, and at the same time protect the people from fradulent imposition in the matter of food? Let the tax on oleomargarine remain or remove it from everything else as a feature of protection. The dairy people deserve protection as much as do the "great interests." Whichever way we turn we see the need of farm organization to guard the various farm interests.

GOVERNMENT AND TRADE BOARDS

ABOUT the middle of June the Produce News had a sensational story concerning the United States authorities and the Chicago Butter and Egg Board and the Elgin Board of Trade. It was alleged that "The Board has fixed and controlled, and does fix and control, arbitrarily, prices to be paid producers throughout the United States." And it was further charged that "quotations are made to suit the personal interests of the men who happen to be on the committees at the time."

Of course, the usual prosecutions were begun, and the American eagle plumed his feathers and emitted his usual scream. The newspapers took up the sensational story, and the cows of the country booed their satisfaction while the hens Has the eagle had an extra feed of the butter and has anything further been heard of the prosecutions? Are not those boards still doing business at the old stands, and in the same old way? Has the eagle had an extra feed of tht butter and eggs?

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

COMPARATIVE RECEIPTS OF GRAIN

August 6, and a year ago.

	Bushels
Western wheat receipts today	1,579,000
Western wheat receipts year ago	1,147,000
Western corn receipts today	562,000
Western corn receipts year ago	509,000
Western oat receipts today	1,127,000
Western oat receipts year ago	680,000



THE markets for grain as we go to press have become very weak. Prices are all lower, Wheat and oats about 6c a bushel below two weeks ago, while corn is only slightly lower. The price of spring wheat in the Northwest markets still remains high, about 20 cents a bushel above the price of No. 2 red winter wheat in Chicago. This is on account of the drought in the spring wheat district and the short crop that is being harvested. The season has now advanced to a point and enough is known about the 1910 wheat crop that we are justified in recommending farmers to hold their wheat for $1.20 a bushel.

We will also say that all things considered we will recommend 47 cents as a fair medium price for oats on the basis of the Chicago market.

These prices may not be reached for quite a while, but we believe the grains are worth the prices on their merits and that they will sell for these prices, possibly more before the next crops are harvested. Prices on other crops will be announced as they are harvested and sufficent knowledge of the supply is gained.

The Government crop report as of August 1st, issued August 8th, indicates a Winter Wheat crop of 458,294,000 bushels compared with 446,366,000 bushels last year. The condition of Spring Wheat is given as 61.6 compared with 91.6 a year before, or about one-third lower. Thus it is apparent that the slightly larger crop of Winter Wheat will be far short of making up for the great defficiency in Spring Wheat. This is bound to be felt in the world's prices in time.

The condition of oats is given at 81.5 compared with 85.5 a year before, but the larger acreage promises to make it the largest crop ever produced.

The condition of corn is given at 79.3, compared with 84.4 a year before. Indiana is credited with the highest condition of the heavy producing states, 87, and Oklahoma and Kansas are lowest, being 57, and 60, points respectively.

The condition of tobacco is given as 78.5, compared with 83.4 a year before, 85.8 two years before and a ten year average of 82.6. The acreage is the largest ever planted.

The weather has been favorable for crops in the Southern corn belt, but some sections, particularly Kentucky, have had a great excess of rain resulting in heavy loss of crops, East and West rains have improved the crops, while needed dry weather in much of the cotton belt has prevailed. Good rains have also fallen in much of the drought stricken territory in the Northwest, too late to be of much benefit to the Spring Wheat crop, which is now being harvetsed.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supply of wheat in the United States, by Bradstreets reports, on July 30, was 16,265,000 bushels. That was 2,344,000 more than two weeks before, 4,178.000 more than a year before and 4,374,000 bu. less than two years before.

The visible supply of corn on the same date was 7,511,000 bushels. That was 1,407,000 bushels less than two weeks before, 2,841,000 bushels more than a year before and 2,697,000 bushels more than two years before.

The visible supply of oats on the same date was 5,124,000 bushels. That was 1,048,000 bushels less than two weeks before, 203,000 bushels less than a year before and 2,158,000 bushels more than two years before.

The visible supply of barley on the same date was 1,476,000 bushels. That was 229,000 bushels less than two weeks before, 675,000 bushels more than a year before and 392,000 bushels more than two years before.

COTTON—The aggregate world's visble supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending July 29,	1910	*July* 22, 1910	*July* 30, 1909
American	1,022,580	1,037,720	1,868,689
Other kinds	893,000	929,000	614,000
Total	1,915,580	1,966,720	2,482,689

The supply decreased 184,629 bales in two weeks.

Price—New York Aug. 6: Middling up lands 15.90c; middling gulf 16.15c. The price is 10c per cwt. higher than two weeks ago.

CLOSING PRICES OF CASH GRAIN

August 6, 1910.

CHICAGO—Wheat, No. 2 red, $1.03¾@1.05½; two weeks before, $1.09¾@1.11. Corn, No. 2 white, 65@65½c, two weeks before, 66@67c. Oats, No. 2 white, new, 38@38½c; two weeks before, 44@44¾c.

ST. LOUIS—Wheat, No. 2 red, $1.02@1.04; two weeks before, $1.05@1.10. Corn, No. 2 white, 65½c; two weeks before, 67c. Oats, No. 2 white, 36½@38c.

KANSAS CITY—Wheat, No. 2 red, $1.00½@1.01; two weeks before, $1.03@1.05. No. 2 hard, 98c@$1.04; two weeks before, $1.04@1.05. Corn No. 2 white, 65@65½c; two weeks before, 66c. Oats, No. 2 white, 35@37c; two weeks before, 41@43c.

CINCINNATI—Wheat, No. 2 red, $1.00@1.02; two weeks before, $1.08@1.11. Corn No. 2 white, 66@66½c two weeks before, 65½@69c. Oats No. 2 white, 36@36½; two weeks before, 43@47c.

NEW YORK—(Futures only quoted, no cash quotations.)

MINNEAPOLIS—No. 1 hard spring new, $1.24; two weeks ago, $1.29½. No. 1 Northers, $1.18@1.23; two weeks before, $1.27¼@1.29¼.

FUTURE GRAIN PRICES

Chicago grain futures, closing August 6th, with comparisons:

WHEAT—,Sept. $1.02¼; Dec. $1.05⅛; May, $1.09¼. Two weeks before, $1.07¼, $1.09¼ and $1.13, respectively.

CORN—Sept. 62⅞c; Dec. 59⅞c; May, 61½c. Two weeks before, 63⅞c, 62⅛c and 63⅞c@64c, respectively.

OATS—Sept. 36⅞c; Dec. 38¼c; May, 40⅞c. Two weeks before, 39⅝c, 40¾c and 43c, respectively.

CHICAGO PRODUCE MARKET

August 6, 1910.

POTATOES—The market was unsettled. A very strong feeling prevailed and prices were 3 to 5 cents higher. Sales of bulk stock were made at 72 to 78 cents for good to fancy. Arrivals were very small and at the advanced prices a very small volume of business could be transacted.

Price—The market was quotable as follows:

Per bu. New Jersey, Delaware or Maryland Cobblers, fancy	$ 75@ 78
Fair to good but showing heat.	68@ 72
Barrels, Maryland, Delaware, New Jersey, or Virginia Cobblers ,choice to fancy	2 15@2 25
Poor, heated, to fair stock	2 00@....

HAY—Timothy firm; offerings light and demand good. Prairie hay steady; supply fair and demand moderate.

Price—Choice old timothy, $21@22. No. 1 timothy, $20@21; No. 2 timothy, $19@20. Kansas and Oklahoma Prairie ha choice, $15@15.50. The price is about the same as two weeks before.

BROOM CORN—There has been some decline in prices, demand slow and trade dull. Some old brush remains and a car of new Texas has come in. Price—Self-working, per ton $160.00 @ $200.00, Imported Hungarian per ton $100.00@120.00.

BEANS—Price ruling firm. The demand is tame, also there are not many beans to do business with. The feeling at the close of the market today was strong.

Price—Pea Beans—

Hand-picked, choice	$2 48@2 52
Prime	2 43@2 47
Mediums nominally about as Pea Beans.	
Red Kidney, per bu. good	3 75@4 25
Brown Swedish, choice	3 00@3 25
Limas, California, per 100 lbs.	5 40@....

The price of Pea Beans is 12c a bushel higher; of Red Kidneys 75c higher.

EGGS—For strictly fresh Eggs the market is firm, and it is not easy to secure real desirable stock, while for the poor stock the market is dull and unsatisfactory, with an abundance of this stock on the market.

The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week. Cases	Last week. Cases	Last year. Cases
Monday	9,928	10,910	9,048
Tuesday	13,240	12,429	12,327
Wednesday	11,764	14,100	9,266
Thursday	5,682	9,898	6,816
Friday	7,947	8,479	9,590
Saturday	10,749	11,301	9,568
Total	59,310	67,117	56,615

Receipts Apr. 1, 1910, to Aug. 6, 1910, 2,183,019 cases.

Receipts Apr. 1, 1909, to Aug. 7, 1909, 2,131,587 cases.

Receipts Apr. 1, 1908 to Aug. 8, 1908, 2,027,274 cases.

Price—The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 10@13c, depending on quality. Ordinary Firsts quotable at 14c. "Firsts" quotable 16c per dozen. "Prime Firsts" quoted at 17½c. Checks or seconds quotable 8@8½c. They are offered quite freely. For the musty and poor stock there is no sale. Dirties quotable 10@11c per dozen.

The price is practically the same as two weeks before.

UP-TO-DATE FARMING

Production and Marketing

THE PROBLEM OF STORAGE

THE problem of storage is a factor in the high cost of living. At the beginning every food product or the raw material of which it is made, belongs to the people in the country. It is originally owned much as it is needed for consumption. The surplus is more apparent than real—it is temporary. Farmers often sell on the market, whence it is shipped back again and sold at a high price, a price that is necessarily built up by cost of shipment away and back, charges for handling and storage, and often high profits exacted by several persons who buy and sell it during the interval of its absence.

There is no wonder that such food, by the time it gets back where it once seemed like surplus,costs dearly. The thought is this: Arrange to keep the apparent surplus in the community where it will ultimately be needed. There is scarcely an ordinarily prosperous community, and all communities are now prosperous, which might not have a small packing house, with necessary storage features, to handle the temporary surplus of a given area, and then supply the later needs, as they are now supplied from the distant houses and storage plants. This applies to so many different articles of foodstuffs that it ought to appeal to intelligent and progressive people everywhere, and it would solve more problems than are now written in the books or talked about in the papers.

But is it practical? Certainly so. The big packing houses that now have a monopoly of packing and storage, would oppose such a distribution of the business, as they oppose everything that loosens their hold upon the food supply, but the people are greater than the packing houses, and co-operation in its proper fullness is more powerful than the strongest combinations of capital.

In this suggestion we are not proposing an experiment. There are several small packing houses and storage rooms in successful operation in various parts of the country, notably one at Williamsport, Pa., on the banks of the Susquehanna river. This is not a co-operative establishment, but is one which supplies the need of the community, and is a success. Williamsport is in two parts, the division being made by the river. Really it is two towns, one part being called South Williamsport. The plant referred to has a retail establishment in both of these towns, and does a healthy wholesale business in nearby towns. We need not give details of the construction and management of the plant, for these will all be carefully studied by parties proposing to inaugurate such establishments. Our idea is co-operative plants in every locality where such plants are needed—co-operative, so that each may wisely and cheaply serve its own people, and as that selfish greed may not prompt to rivalry and a struggle for exorbitant profits. The true principles of equity should rule such enterprises, and what a model opportunity for the establishment of such plants was the Society of Equity before a selfish and unprincipled few dragged it into harmful schemes. But the farmers are the power after all, and in the new and growing Farmers Society of Equity they have a way.

GRAPE JUICE AND CIDER

WE are opposed to the use of intoxicants in any way or form, but pure apple and grape juice may be preserved so as to be entirely free from alcholic fermentation, and exactly as it came from the fruit. There is no secret about it. Press the cider from the apples in the usual way, and run it through a strainer as it comes from the press. Heat it but do not let it come quite to a boil. Put in bottles while thus heated, the bottles themselves being kept hot by sitting in almost boiling water. The bottles should be put in the water before it is hot, so that both may be heated together. When filled, cork the bottles tightly, and dip the corked end of the bottles in melted wax to perfectly exclude the air. Cider so bottled fresh will keep fresh for an indefinite period, on the same principle that preserves canned fruit. It needs no sugar or anything else.

Grape juice may be preserved in the same way, and it may be made in two grades. Press gently until the juice as it comes from the press begins to show a darker color. Then remove the lighter colored juice, and continue the pressure until all the juice is extracted. Bottle the two grades separately. All the bad grapes should be picked from the bunches before they are put in the press.

THE APPLE SUPPLY

THE department of agriculture shows that in 1885 there went on the market in this country 60,540,000 barrels of apples but in 1907 this output had fallen to 25,000,000 barrels, or less than half the crop of 1885. We have no figures showing an increase since then, but the bulk of the marketed apples now comes from the orchard of professional fruit growers, whereas it formerly came from the farms. This shows that farm orchards are deteriorating, and points to a greater specilization of crops. This may mean more scientific farming, but it also means a diminished supply and higher prices for fruit.

THE SWEET POTATO

THE sweet potato is a much neglected but very profitable crop. It is most at home in the semi-tropics, where it makes profuse bloom and matures better than farther north but it may be grown profitably in the latitude of Indianapolis and St. Louis.

Besides being an excellent article of human food, and a special favorite with many, the vines, green or cured, make a valuable forage for stock, and the potatoes themselves are a good fattening feed for horses or hogs, and one of the best of feeds for milch cows. Hogs will root up and thrive on the potatoes usually left at digging.

The most discouraging feature of the sweet potato as a farm crop is the difficulty in keeping them into the winter. This is more difficult in the north than in the south, because the southern potatoes are better matured than those grown in the north. But they may be kept even in the north, though to keep them requires special preparation. They must be dry when put away, and they must not be allowed to get too hot or too cold. the temperature must not be allowed to go below 40 degrees. It is also best not to store them in bulk, for taking out some is likely to set to rotting the nearby one that are left, and the decay is sure to spread. If packed in bushel boxes, the boxes may be removed without affecting those left.

SEEDING CLOVER

THE general way of seeding clover is to sow in the spring on fall sown wheat. This is fairly effective, but much of the seed lights on and with a hard, bare surface, fails to become covered, and does not germinate. If the land could be harrowed in the spring after the seeding, the chances of a stand would be greatly incraesed. But generally the wheat is too rank for harrowing to be advisable. If, however, the wheat is thin and of small growth the harrowing will be a benfit to it.

Seeding with spring oats is a good way, provided the oats is sown early and the land is in such condition as to be pulverized and worked down.

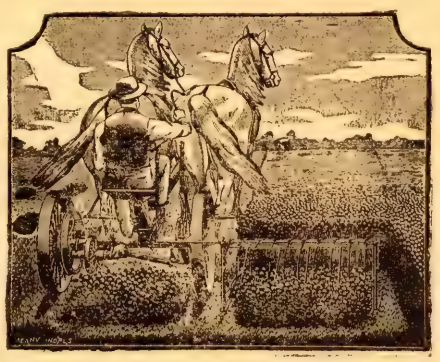
The most effective way to seed clover is to precede or fallow it with a light coat of pulverized barnyard manure. This is almost sure to get a stand. But the trouble with barnyard manure is the foul seeds it is almost certain to contain. A year ago we had a small field thickly set in this way with dock and sorrel. The only remedy for this trouble is to try to keep the manure free from bad seeds, a decidedly difficult thing to do.

THE CHINCH BUG AS A MENACE

A few years ago, in the central Missippi Valley states, and wtll into the middle west, the chinch bug caused the loss of millions of dollars to the growers of wheat and corn. During the present season these pests have appeared in alarming numbers in the same great grain growing region, so that farmers are in great fear for their next year's crops. But in those regions, at least where the heavy July rains have occured, we think there need be no fears. Two or three unusually wet seasons destroyed the bugs a few years ago, and we believe the heavy rains at and near harvest time this year will effectually prevent their multiplication, and most likely destroy those that have been seen in the fields this year.

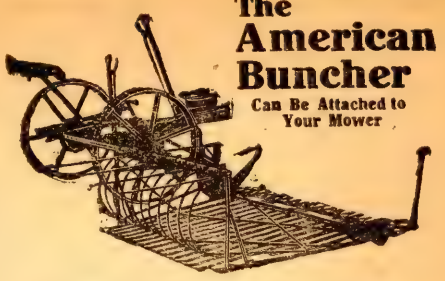
A GRASS SEED SAVER

We picture below a macine recently put on the market, which is one of the greatest labor and money saving patents of years. It is designed to be atached to any



mowing machine, and is for the purpose of bunching the seed crop of clover, blue grass, alfalfa, and in fact every grass crop grown. It eliminates the entire services of one extra man required in the old way, and in addition saves practically every grain. It will pay for itself in two days' use. This machine is made here in Indianapolis in a modern and up-to-date establishment.

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Is a Clover Seed Saver

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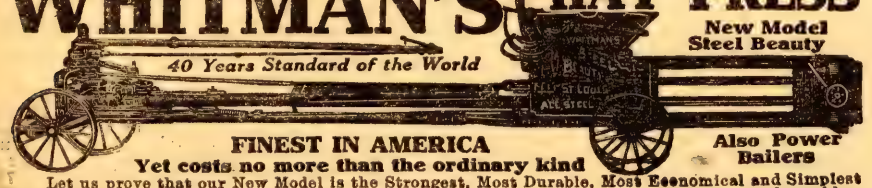
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Could They Be More Foolish?

The best proof that common cream separators are **out-of-date** is the fact that they contain 40 to 60 disks or other contraptions. They need such contraptions simply because they lack skimming force. Since they lack skimming force, they are neither modern nor properly built. In view of these facts, could any maker or agent of common cream separators be more foolish or incorrect than to claim that disks or other contraptions make, or are needed in, a modern machine?

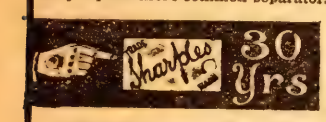
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are entirely different from all others. They produce twice the skimming force of common separators. Dairy Tubulars neither use nor need disks or other contraptions. They skim faster, skim twice as clean, wash many times easier, and wear several times longer than common separators.

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THE PASTURE

THERE is greater need, perhaps, for reform in pasture management than in any other feature of the farm. Once a pasture always a pasture, seems to be quite a prevalent notion. Weeds will grow up in the pasture, and every weed is an acreage reducer, and the grass constantly kept eaten down, loses strength and vitality. Whether or not the land actually loses fertility, the constant tramping makes it less productive and its yield of feed less. Land is too valuable to allow it to get below its proper capacity for production.

Pastures may be top-dressed with barnyard manure. If so the manure should be evenly spread, for stock will neglect the richer growth on the manured portion, and eat bare where there is no manure. This is one of the problems of manuring a pasture, and it manifests itself in the stock's own droppings. And these droppings should help to keep up the fertility; and they do. Especially is land pasture by sheep thus benefitted, particularly so by reason of the general distribution.

But lands should not be run in pasture too long. So soon as the weeds show—the non-pasture weeds—begin to show prominently, the land should be given a season of cultivation. If plowed early or the fall before, it is sure to be a good location for corn. Or if plowed in midsummer and then worked down and well pulverized and packed at seeding time, it forms an ideal field for winter wheat. Grass seed may be sown with the wheat, and it may be run in meadow awhile, or it may be thrown back to pasture.

HOGS AND THE WATER QUESTION

MANY farmers think they need not concern themselves much about water for the hogs, but that is a serious mistake. Hogs need water as certainly as do other living things; and if all is convenient, they should have clean, fresh water. Their peculiar habit of wallowing in the water and making it muddy—even if in limited supply—has given rise to the notion that it does not matter what kind of water the hogs have, or if they have any at all, provided they have mud to wallow in. But hogs do better where they have access to good water, but, owing to the habit referred to, it must be so arranged that the animals cannot get into it unless it be a running stream. But especially in hot weather, a wallowing place apart from the drinking water is useful. The mud bath is to hogs what the dust bath is to fowls.

RAPE AS A PIG PASTURE

AN experiment in Wisconsin showed that 21 pigs during eight weeks of pasture on rape gained 57 pounds more in weight than an equal number pastured on clover during the same time. But for best results rape must not be depended upon alone, nor must any other pasturage. Some grain should be fed to strengthen the ration.

We may also say in this connection that, no matter what the treatment, the early pigs are the most profitable. Sows, at least in the central latitudes, should be bred to farrow in March. Such pigs are ready for pasture as soon as it comes, and may have the benefit of pasture throughout the entire season. If the pastures are supplimented with some grain or ground feed, the pigs should go to market at 200 to 250 pounds when from eight to ten months old, and that means profits.

A SUMMER FEED FOR FATTENING

H. H. SHEPARD says in the Journal of Agriculture, that there is nothing like new corn fodder, by which he means the green stalk and ear cut up and fed green, for putting fat and flesh on an old horse or cow; and the same is true of all green crops cut and fed as the seeds are maturing. The reason is that the plants at that stage are full of rich vegetable juices in an easily digested form. The high water content makes the digestion easy, and aids in their assimilation. Besides it gives them a relish, and keeps the bowels of the animals loose and the whole system in healthy condition.

The above is evidence that it pays to plant a piece of early corn near the barn or fed lot to be used as feed while green. And it is also an argument for the silo. Silage is preserved feed of precisely this kind, and its preservation in the silo prolongs its usefulness, and makes it available the entire year, but especially during the winter when such feed is most needed and most valuable. When the silo shall become a common accessory of the farm many of the now troublesome feed problems will be solved.

KINDNESS AMONG DOMESTIC ANIMALS

IT cannot but be noticed that some farmers have much less trouble with their domestic animals than others have. On some farms there is a constant warfare between the stock and the owner. The animals are forever in trouble. On the other farms it is just the reverse. There seems to be a quiet, peaceful understanding. The animals know their place, and are never found where they ought not to be.

The difference is in the human and not in the beast. Kind treatment makes gentle stock. If the animals never suffer blows, never receive harsh treatment, they do not know what it is and never expect it. On the contrary, if they are accustomed to it they never expect anything else, and are always on the dodge and trying to get away from it. And if the enclosures have always been such that they could not break through, they know nothing of the posibilities of such a thing, and are always content where they are placed. Breachy stock, or stock that "break out," have learned it by opportunities given them by careless owners or helpers.

SAVE ON YOUR BALING

Less than 40 cents a ton is the cost with Ertel's new Daisy one man one horse hay press. It is a self-threader and self-tyer and one man can bale from four to ten tons a day. The Ertel Company also makes the Cyclone Three Stroke Self-feed Hay Press. This is the latest, most powerful and most efficient horse power press on the market. Will bale from ten to twenty tons per day. For information about these presses just drop a postal to Geo. Ertel Company, Quincy, Ill., and mention Up-to-Date Farming.

INCREASING THE SURPRISE

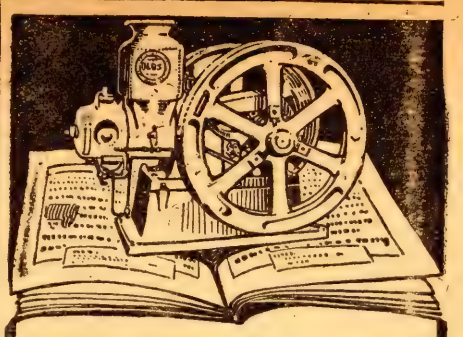
"Where are you going, ma?" asked the youngest of the five children.

"I'm going to a surprise party, my dear," answered the mother.

"Are we all going?" queried the child.

"Oh, no; you children were not invited." said the mother.

After a moment of profound thought a gleam of light burst upon the child's face as it asked: "Then wouldn't they be more suprised if we all went?"



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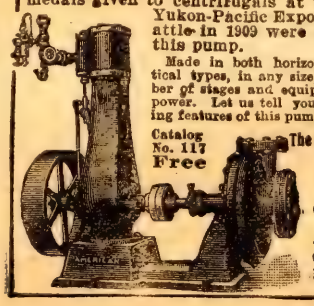
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"American" Centrifugal Pump

There is not a valve or other get-out-of-order feature about it—just the easiest possible curved flow-lines without a sudden change of direction in passage through the pump, enabling water to be raised with less power than with any other pump in existence. It's the modern way in pumping. There's 41 years of manufacturing experience behind it. All gold medals given to centrifugals at the Alaska-Yukon-Pacific Exposition at Seattle in 1909 were awarded to this pump.

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Chicago Office, First Nat. Bk. Bldg.

AUTO TESTERS NEED GRIT

With the passing of the bucking broncho has come the bucking auto, and the picturesque hero of nowadays is clad in chauffer garb, instead of "chaps" and spurs. What the range was to the ranchman the open road is to the motorist, and the test track where stubbon engines are whipped into obedience, is much the same as the corral where bronchos were subdued.

To the average person who takes his car from the salesroom, with the machine running smoothly, responding to the slightest touch of the lever the work of "breaking in" an auto engine is not apparent, but it takes more time, more nerve and intelligence and often more sheer strength to handle a "green" motor than it ever did to saddle and bridle the fightiest mustang.

It was a Parry car—the newest Indianapolis auto— that the writer, a tenderfoot in motordom, was shown how a machine from the shop was literally "broken" into service, is saddled and bridled, coaxed and driven into the marvel of controlled power and speed it appears in the town dress of touring car or roadster.

The automobile test car is an ugly machine. The motor is exposed to view and the dust and mud. Two seats and an improvised bar to brace the feet on comprise the body which is rough and homely. And that's practically all a test car is composed of, motor and wheels, with an excuse for a seat and a tool kit behind.

"And now what do you do?" the tenderfoot asked as he kept one eye on the whirling shaft and the other on the tail of his overcoat. The machine had left the factory and was headed for the suburbs.

"Just run her till she quits kickin." We had passed the city streets and were hitting the country where the roads were rough. Other machines and vehicles had been passed and there was a clear straightaway. The driver opened the gasoline throttle and the car leaped forward, it seemed up.

"She's quick on the trigger" observed the buster, dividing his attention between the road ahead and the engine. "That's the whole way of it. I just listen to the engine motor and keep going. I hit the toughest roads and a lot of ruts, hunt out the hills and shin around corners. That's what a green motor needs—just a good workout, with somebody to hold her and keep her trim."

The machine jolted fearfully and it seemed as though it would tear itself to pieces. It swerved out to pass a wagon and for a moment seemed disinclined to get back into the road. It didn't look good and the tenderfoot dropped his overcoat to grab the seat.

"That's all right," said the buster. "She's a little bit stiff in the steering, but before we get back she'll turn with my finger."

And "she" did. Mile after mile, up hill and down, slow and fast the machine was driven and each mile that it went the engine loosened up, the steering gear responded more quickly and the car itself seemed less liable to jar off. The pace was kept up all afternoon, with a few stops to "look 'er over" and see how the gas was holding out.

It was well back to the factory when [illegible] hill, north of the city, that has crossed the Kennels of many a racer. By now, after hours of hard running, the "green" motor was throbbing in rhythm. At the foot [illegible] low speed, and just to try her out the driver put "Sue" in the fastest seat, that of making the car jump [illegible] high speed. "She" did it and the driver was satisfied.

VAST AMOUNTS KEPT CIRCULATING BY AUTOMOBILES

"You have no idea of the tremendous amount of money that is put into daily circulation by means of automobiles," says W. C. Teasdale, sales manager for the Parry Auto Company. "I always knew that Indianapolis concerns caused vast amounts to change hands, but listen to real figures from Geo. Robertson our New York salesman. Why as far back as 1907 it was proven by official statistics that over $70,000,000 was spent in New York State alone for the yearly upkeep of cars. The end of 1908 showed $90,000,000 had changed hands, and this figure has swelled until the year just passed will aggregate nearly $97,000,000. Now just add these together if you can.

"Then remember that we have been speaking of one state only and you will readily see what stupendous amount of money the automobile keeps in daily circulation in this country, and the number of trades that are kept busy attending to its daily upkeep. Every variety of occupation is working overtime for the automobile. Go to any foundry of reputation and you will find a line of customers waiting to have their orders recognized. Machine shops supplying our industry must work with night shifts to keep up the pace. In fact the first restriction to automobile production is the difficulty to obtain parts."

"This situation, I believe has never been paralleled in the history of new trades. Every great discovery seems to be utilized by the automobile, and when the world opens its eyes to the blessings we have in store, there will be a commotion equal to the millennium."

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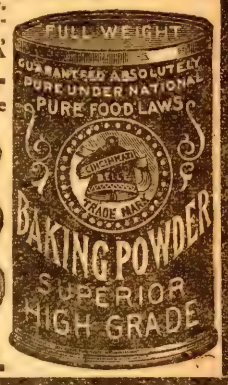
on everything to your nearest Railroad Sta., allowing plenty of time to examine and deliver before paying us. *Write at once for our FREE SAMPLE Outfit* and other things. If after receiving them, you decide not to get up an order, you may keep everything we send you FREE of charge for the trouble in answering this advertisement. WE ALSO GIVE ELEGANT PRESENTS for APPOINTING ONE OR MORE AGENTS TO WORK FOR US. Remember, the Special Premium and Sample Outfit are both absolutely FREE. Our methods are honest. NO LICENSE NEEDED. Write today.



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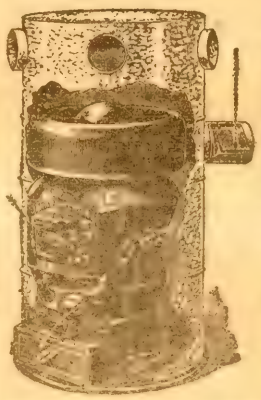
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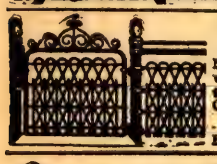
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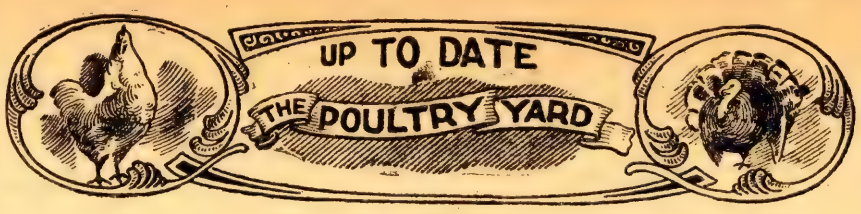
The Corning Egg-Book

(entitled "$6.41 per Hen per Year"), tells how two men, in poor health, starting four years ago with only thirty hens, made from their little egg-farm a clear profit of over $12,000 last year. It tells all about their experience, their failures, their methods; and how others, men or women with good sense, care and faithful work, can make money in the same way. Not a detail left out.

THE CORNING EGG BOOK is sold in combination with the FARM JOURNAL, Philadelphia, Pa., and we have made arrangements to make this.

Special Offer: For $1.00 (cash, money order or check), we will send postpaid the Corning Egg-Book and the Farm Journal for two years, and American Poultry Advocate two years—all for $1.00 if order is sent at once to

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REARING BROODER CHICKS

Mrs. J. B. Howe

A chick hatched by machinery is about the most helpless thing imaginable. There is no mother hen to anticipate its wants, teach it chicken ways and defend it; hence it must needs depend upon its attendant for all its needs and wants. For a few days, at least, it is more bother and care than the chick hatched and reared in the natural way.

There are some advantages, however, in the artificial mode of poultry raising; chief among which is is the fact that the machine will work when you want it too, while the feathered hen will only set when it pleases her.

A much larger brood may be reared together in a good brooder than with a hen, and there are no hens around to devour the feed and trample the chicks. They must be carefully watched, taught to go out and in the brooder, and above all, kept busy. This is best accomplished by often scattering chick feed in the run and giving them tender green things to pick at.

The prepared chick feed, if of good quality, is about the best ration for little chicks in the brooder. This with fresh water provided in sanitary drinking fountains, and good, sharp sand on the floor is all they require for about a week, or until they are spry enough to be fed in the run.

Lettuce is an ideal food to provide the needful *greens*. It should be shredded fine and mixed with other feed awhile, but they soon learn to eat it, nibbling it off with great satisfaction. Onion tops, also, make an excellent addition to the green food, but on account of the odor should not be fed in the brooder.

The brooder should be cleaned every morning and fresh sand thrown over the floor and under the hover. The runs also must be kept clean, or often moved to a new spot.

Chicks reared in a brooder should be gotten onto the ground as soon as possibble. There is something in the contact with the ground which puts vitality into them which they will get in no other way.

As the weather grows warm, artificial heat must be dispensed with except for very young chicks. Their little bodies generate sufficient heat to keep them comfortable. Too great confinement makes them tender and susceptible to colds and disease.

When the nights are sultry give the chicks plenty of ventilation without a direct draft. If closed up too tight, note the odor from their bodies and reflect upon its unhealthfulness.

After the first week introduce as great variety as possible into their fare. They may manage to live if fed upon cracked corn alone, but they will not make the thrifty growth they would if given more variety.

An admixture of cracked corn and wheat makes a good feed, with a luncheon sandwiched in once or twice a day composed of bran, shorts, beef scrap, ground clover, mixed into a crumbly mass with skim milk or clabber.

The infertile eggs tested out on the tenth day from the incubator, may be used with profit, boiled hard and crumbled up in this feed. Curd also makes a nice variety and is eagerly devoured.

Do not expect them to do their best if confined too long in their little runs. They must be given liberty and will very readily learn to return home for feed and shelter.

THE LATE CHICKS

WE question the value of late hatched chicks, but some farm wives persist in setting hens for fall chicks. The nests of hens so set must be scrupulously clean and fresh, for all the weather conditions favor the multipication of lice and mites. The hen as well as the nest should be frequently dusted with insect powder, or, in the absence of that, with ashes, wood or coal.

The young chicks must also have extra care. Everything is against them. The heavy dews in the morning are worse than the spring showers, because the grass and weeds are so much higher. The increased number of chicken pests makes the coops dangerous places, ticks and chiggers in the grass make it unsafe outside. The heat and too frequent lack of water make life a struggle and a burden. We think it best to do all the hatching in the spring; and then have no small chicks to worry about during fruit saving time.

It seems foolish to talk of people going crazy over the comet. They must have gone crazy under it.

CARE OF YOUNG DUCKS

Duck eggs, especially the Indian Runners, are usually very fertile. If a large per cent. does not hatch, the fault is not with the ducks.

Trouble with ducks, if any, begins at hatching time. The ducklings are such restless, lively fellows that they cannot remain in the nest, quietly as little chicks will do. They must be up and moving. For this reason they should be removed from the nest immediately they are all hatched. If allowed to remain over night even, it may result in loss of some of the finest . They are liable to tumble out of the nest, and being unable to climb back, get chilled and perish.

We set our duck eggs mostly under our quiet, gentle hens, in a box easily obtainable from any grocer or druggist, in size, about 12x16, and not more than six inches high.

This is placed in a larger box which serves as a coop, after the hatching process is over. When all are out, the nest box is removed and the hen and ducklings placed in the larger box, with a slatted run before it. The lower slats must be close enough to confine the ducklings for a week or more, until they know their mother's voice and become accustomed to their surroundings, otherwise they are liable to stray away, and if they find their way to the hog pen it will be "good-bye" to ducklings. Not only this, but they are very helpless when young, and any kind of stock, or even the dog might trample them. When once they grow accustomed to their home and mother, if well fed and watered, they are very contented.

The best feed at first, for a few days, is dry bread soaked in milk, then squeezed dry and mixed with flake or fine cut oatmeal, slightly salted, and a small quantity of sand mixed in. Feed while small, four or five times a day. When nearly a week old begin to introduce some of the chick feed recommended in May 15th *Up-to-Date* until, when over a week old, the bread and oatmeal may be entirely left out. We do not scald the mash for ducks, (nor for chicks when the weather is warm) simply mix into a dry mash—not sticky nor sloppy—with milk, sweet or sour; lacking this, water will answer. Never give ducklings milk to drink. They dab it all over themselves. It is important, however, to keep water before them, as they require it to cleanse the nostrils of food that lodges there. It should be provided in vessels that they cannot get into. They should be fully feathered before being allowed the freedom of water for swimming.

Do not keep ducklings confined to the small coop too long. Sand in abundance is needed to strew in the coop. It makes a clean, safe disinfectant. They grow very rapidly, and after the weather grows warm require very little shelter. Ducklings are not subject to gapes, cholera or any of the chick ills, but when small they are sensative to cold, dampness and filth. During a protracted cold rain, the coops need frequent cleansing and rebedding with dry material. Hot brooders and close confinement, however, are not at all to their liking nor well being.

An hour or two a-wheel each day will make a new person of you—will help the lungs carry away impurities from the blood, will clear the brain, quiet the nerves and bring the restful sleep of health.

If you have a bicycle use it. If you haven't one, you will be surprised to learn how fine a wheel can be bought for a very few dollars from the Mead Cycle Company, Dept. G 170, Chicago. They are glad to send their catalog to interested persons.

Indian Runner Ducks

THE BREED THAT LAYS 280 EGGS EACH YEAR. FAWN WHITE AND PENCILED

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Incubators operated by Coal Oil, Natural or Artificial Gas or Electricity.

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It Fills the Bill Completely--Order It To-day

A WORD ABOUT EACH PAPER IN OUR MAGNIFICENT CLUB

The Register and Farmer
Iowa's premier farm paper. A paper that is live from start to finish and tells step by step just the things you want to know in just the way you want it. Reliable, concise, complete.

The Chicago Inter-Ocean
Needs no introduction to you. It is a family paper in the strictest sense — full of entertaining, high-class, interesting family reading. It comes every week and is welcomed by every member of the family, read by all, and its many special features proves that its publishers have a perfect understanding of what is bound to please the people of the farm home.

Western Poultry Journal
Is a first-class, practical help to every owner of poultry—gives the utility side of the business and assists in making the farm flock pay more dollars day by day.

Kimball's Dairy Farmer
Will make friends wherever cows are owned. It is the best paper of its/class to be found. Dairying is getting to be more and more of a feature in the middle west, and the best authority on the subject is none too good.

Paris Modes
For your leisure moments, and those of the members of your family. Elegant colored covers, excellent class of stories, needlework, fashions, home topics, young people's departments, etc. You will like it splendidly.

Can you spend a Dollar to any better advantage or to a better profit?

This big offer ought to put on our list the name of every wide-awake farmer in the country.

We want your name—Don't put this paper by until you send your name. Use the coupon. A dollar bill is easy to remit (we will take the risk). Send all orders to

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I enclose ONE DOLLAR. Send me your "NEW MOON" Combination one full year. Start the paper at once and stop when time is out.

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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

MID-SUMMER MADNESS

It was supposed in "ye olden time," that persons were peculiarly subject to madness in mid-summer. There was some reason for the belief, as it was during this season that most became insane. But we know now that it was not the season, but the entire absence of comforts, and sanitary living which brought on fevers and other diseases, which drove their victims to madness. There is everything about modern up-to-date farm life which should bring joy and happiness to the farmer and his family—big crops, high prices, all conveniences, and, best of all, UP-TO-DATE FARMING to teach him how to grow and market them. Do you think it MID-SUMMER MADNESS **to ask you to place this paper in the homes of your neighbors at 25c per year? .You can get ten names today if you try, but send what you can.**

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

THE EXPERIMENT STATIONS

ARIZONA STATION, Phoenix:
"Timely Hints For Farmers," No. 83 good for the whole of the Southern portion of the country.

FLORIDA STATION, Gainesville:
"Corn" and "Pine Apple Culture," both of which are of value throughout the Southern States. *"The Velvet Bean* will apply generally.

MISSOURI STATION, Columbia:
Among the best bulletins which come to my table are those of Missouri. The following are agricultural classics: *"The Principles of Maintaining Soil Fertility." "Variety Tests of Corn."* Send for them.

PENNSYLVANIA STATION, Department of Zoology, Harrisburg.
Zoological Bulletin No. 11-12, containing Prof. Surface's latest notes on bees should be read by all bee-keepers. Write Prof. Surface, Harrisburg, Pa., for a copy.

PUBLICATIONS RECEIVED

PEONIES-IRIS-PHLOX.
The brochure of the well-known Cottage Gardens at Queens, L. I., N. Y., probably the largest in the country. Of great interest to those interested in these beautiful hardy plants. *Free.* Cottage Gardens Co., Queens, N. Y.

THE PENNSYLVANIA RAILROAD AND THE FARMER.

This great railroad system, which extends from the Atlantic to the Mississippi, and from the Ohio River to the great lakes, awakened some years ago to the fact that the interests of the farmers and the Company were mutual, since which time they have been working hand in hand with the farmers along their lines in order to have the farms brought up to the hoghest state of productiveness. The more the farmer grows the more he has to ship—SEE?. This booklet tells all about it. Every farmer should have it. *Free.* W. G. Spangle, Altoona, Pa.

CROP NEWS AND CONDITIONS

The current season seems to have been, taking it as a whole, a very favorable one for what are known as garden crops.

It is possible now to review it with a degree of accuracy, and to "point out the morals and adorn the tales" where needed. The warnings, pleadings, and advices, of the horticultural papers are surely telling on the mass of the gardeners in as much as never before has there been so much fertilizer, and especially special fertilizers, used as in the past season.

Never has there been so much intelligent spraying and intelligent handling of crops as during the past season, and the reward was the fine crops which were so general everywhere. I have inspected crops both in the field, and in the market, in many sections this season, and it gives me the greatest of pleasure to see the evidences of improvement both in the growing and packing of fruits and vegetables.

I am sure that some of the farmers putting out the best of these crops are readers of this DEPARTMENT, as in the bottom of a crate of the finest tomatoes I have seen this season, which came from Georgia, the lower row of baskets rested on a cushion made of copes of UP-TO-DATE FARMING.

I cannot help feeling distinctly encouraged for the future, judging by my observations of the past season's crops, and I feel that the work of this paper has added much to the uplift in crop manipulation which is shown to be going on among those on the farms. **Anyone who reads this paper is sure to become a better farmer if he applies its teachings.**

However, we must not lose sight of the fact that Nature helped not a little. The early part of the season was not propitious for the first early crops, but ideal for those which followed, and the absence of the first-early made better prices for those following.

The Vegetable Garden.

The harvestering of the main crops of vegetables is now on, and very little planting will be done from this on. Those who are growing celery by the method of which I wrote (flat method) should keep it free from weeds, and the soil loose, and do not let your neighbors, who have planted theirs in the bottom of trenches, worry you into banking it up. Let it sprawl and get as thick in the stalk as it will. Later on I will tell you how to handle it to get it blanched for market, and their's will not be in the same class with your's.

There are a few vegetables which give you a reputation which will last from year to year, and these should be handled with rare discretion. REMEMBER—**you get as much** for a dozen ears of young and tender corn as for a bushel that is old and tough. Pull it while the milk is thin and white. Also, this applies to cucumbers, which should be pulled while they are "crisp," and not when they are turning yellow and tough. Attention to such things is what will give your garden a reputation for choice vegetables.

It is best to grade your vegetables, charging the highest price for the choicest, and the others in proportion.

THE SMALL FRUITS

The Blackberry.

August is the month for the blackberry. This fruit is becoming more every year a fruit of economic importance. As yet the bulk of the crop is of the wild variety, but the gardeners are fast learning of the profits to be had from well cultivated areas of the cultivated varieties.

I have watched this fruit closely this summer as the present season has been the best one for the blackberry within my recollection. All the conditions were ideal to make a crop of the finest fruit, and now that the fruit is coming in it shows up equal to all expectations.

The blackberry blossoms this season were as fine and large as heads of rhododendron, and many were cut for the vase, and made fine displays, as cut flowers. A large patch of cultivated blackberries near me is giving fruit of perfect size and flavor. Their culture is practically the same as that for the raspberry. The canes should be cut out just the same, and the patch be kept free from weeds, all the season. Work in a special **small fruit fertilizer** as soon as the canes are cut out, after bearing it over, about five hundred pounds to the acre.

Keep the cultivator running during this hot, dry, weather in all the berry patches, and this is the time to cut loose the strawberry-runners if growing by the matted-row system, and they will make nice independent plants by winter. If you are catching potted plants, cut them loose and give each one a top-dressing of bone-meal on top of the pot. See that the pots are surely sunken to the brim in the soil.

THE ORCHARD

That Dust Mulch.

The principal work in the orchard this month is keeping up the dust-mulch where the continuous cultivated method is in vogue, or keeping grass cut where the grass-mulch system is used. No matter which system you use, follow it to the utmost extreme, as thus only can the best results be had.

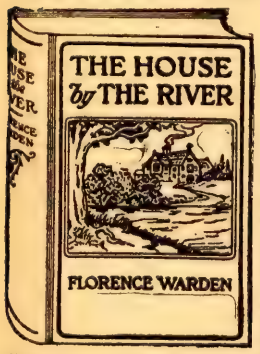
Every fruit man should by now have ordered his fruit packages, and made his arrangements for his help for picking and grading of the fruit. Let every fruit grower decide once for all that, as for him, he will honestly grade his fruit, and market it according to the PRINCIPLES OF EQUITY.

KICK ANYHOW

Bread buyers are kicking at the bakers for selling light loaves. And they are just as certain to kick when the loaves are not light. Civilization is hard to please.

THE HOUSE BY THE RIVER

By FLORENCE WARDEN.



This is not only a love story, but is a rattling good detective story.

The name and fame of Miss Warden as an author are world-wide, and there are millions of people who remember with pleasure her absorbing story entitled "The House on the Marsh," over half a million copies of which were sold. **The House by the River** is an interesting, exciting and absorbing story of mystery and romance, in which the heroine is the indirect means of bringing to justice a clique of gentlemanly criminals. It is written with great clearness and lucidity, and holds the reader's interest to the end, where a remarkable surprise occurs.

What the Reviewers Say of It.

"It may be fairly compared with the best stories of Anna Katharine Greene."—Springfield Republican.

"Florence Warden is the Anna Katharine Greene of England. She apparently has the same marvelous capacity as Mrs. Rohlfs for concocting the most complicated plots and most mystifying mysteries, and serving them up hot to her readers."—N. Y. Globe.

"The author has a knack of intricate plot-work which will keep an intelligent reader at her books, when he would become tired over far better novels not so strongly peppered. For even the 'wisest men' now and then relish not only a little nonsense, but as well do they enjoy a thrilling story of mystery. And this is one—a dark, deep, awesome, compelling if not convincing tale."—Sacramento Bee.

"The interest of the story is deep and intense, and many guesses might be made of the outcome, as one reads along, without hitting on the right one."—Salt Lake Tribune.

The book has 321 pages with handsome lithographed paper cover. Unsurpassed for summer reading, and I will send it with a year's subscription to UP-TO-DATE FARMING all for 35 cents. Address all orders to

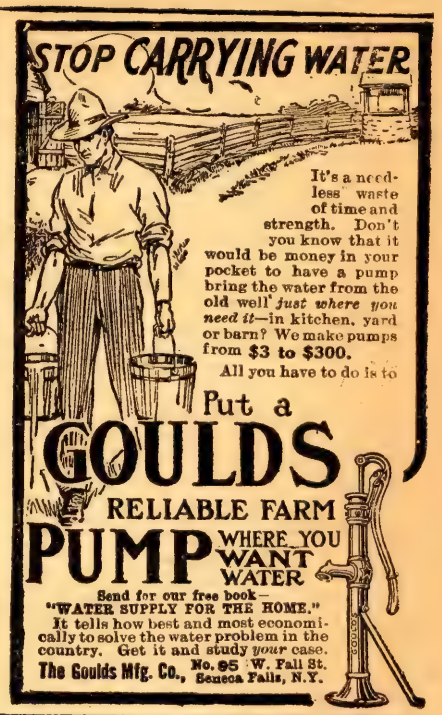
J. A. EVERITT, Editor,
Indianapolis, Ind.

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Send for our free book—
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It tells how best and most economically to solve the water problem in the country. Get it and study *your* case.

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Sizes 10 to 400 barrels daily, hand or power. Presses for all purposes, also cider evaporators, apple-butter cookers, vinegar generators, etc. Catalog free. We are manufacturers, not jobbers.

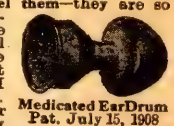
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(Oldest and largest manufacturers of cider presses in the world.)
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I Was Deaf 25 Years
Now I Hear Whispers



G. P. WAY, Inventor

with my artificial Ear Drums in my ears. I never feel them—they are so perfectly comfortable, and no one sees them. I will tell you the true story of How I Got Deaf—and How I Made Myself Hear. Address your letter to me personally at 99 Adelaide St. This is important, as letters sent to other addresses often do not reach me.



Medicated EarDrum Pat. July 15, 1908

I stand back of every claim made for MY drums.
GEO. P. WAY, 99 Adelaide Street, DETROIT, MICH.

I'll Save You $50
On a Manure Spreader If You'll Let Me

This is just a little ad—but a postal will bring my **Big Book**—and give you my $50.00 Saving Price and Special Proposition. You can save as much answering this little advertisement as if it covered a page.

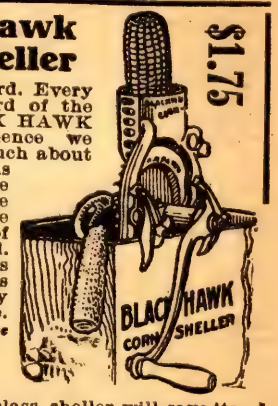
My Spreader positively will do better work and last longer than any Spreader made—no matter what the price—so why pay $50 more? **40,000 farmers have stamped their O. K. on my spreader and money-saving price.** My Special Proposition will interest you. Just a postal addressed to Galloway of Waterloo, Iowa, will bring you everything postpaid.



Will You Pay a Penny For The Postal and Save $50.00?
Address Wm. Galloway, Pres.
WM. GALLOWAY CO.
509 Galloway Sta. Waterloo, Ia.

Black Hawk Corn Sheller

$1.75



It is the standard. Everybody has heard of the famous BLACK HAWK SHELLER, hence we need not say much about them. This is absolutely the highest grade sheller on the market. Made of best material. Separates cobs from corn. Runs easy. Practically indestructible. Our *Special Price* only

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A good first-class sheller will save its cost in a week's use.

O. K. SEED STORE, Indianapolis



WATCH RING & CHAIN FREE
FOR SELLING POST CARDS

We positively give FREE a STEM WIND, STEM SET, BEAUTIFULLY ENGRAVED, Plated WATCH, equal in appearance to Solid Gold Watch, American made, guaranteed 5 years, and a beautiful Ring set with an Im. Diamond, for selling only 20 packages of beautiful high grade art post cards at 10c a package. Order 20 packages, and when sold, send us $2, and we will positively send you the Watch, Ring & Chain. WILLARD WATCH CO., Dept. 837 CHICAGO

A Clear Skin



comes by keeping the pores open for poisonous secretions to pass off.

Heiskell's Medicinal Soap cleanses the pores as no other soap can—it **soothes, heals** and **beautifies.** Ask your druggist for

Heiskell's Medicinal Toilet Soap

Heiskell's Ointment cures all skin eruptions.

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Don't Pay Two Prices for Stoves & Ranges

Buy at Factory Prices, Save $18.00



HOOSIER STOVES

Are Wonderful "Fuel Savers and Easy Bakers." The 20 new 1910 improvements make them the finest stoves and ranges in the world. "Why not buy the best when you can buy them at such low unheard of Factory prices." Hoosiers are delivered for you to use 30 days free in your own home before you buy. A written guarantee with each stove, backed by a Million Dollars. Our new 1910 improvements on stoves absolutely surpass anything ever produced.

Send Postal Today for Free Catalogue.

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MOSQUITOS—27 different ways to get rid of Flies, Mosquitos, Moths, Bedbugs, Red Ants, Black Ants, Spiders, Roaches, Fleas, Rats, Mice, and ALL VERMIN. Sent by Mail for 25 cents, and a Valuable Premium put in FREE.

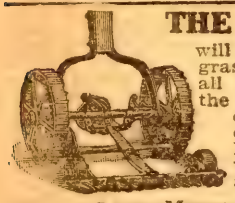
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DAISY FLY KILLER placed anywhere, attracts & kills all flies. Neat, clean, ornamental, convenient, cheap. Lasts All Season. Made of metal, cannot spill or tip over, will not soil or injure anything. Guaranteed effective. Of all dealers or sent prepaid for 20c.



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THE CLIPPER



will cut tall grass, short grass and weeds, and do all the trimming along the fence, walks and drives. If your dealers do not keep them, let us know, and we will send circulars and prices.

Clipper Lawn Mower Co., Dixon, Illinois

Free! SEND YOUR NAME AND ADDRESS AND THAT OF FIVE OF YOUR FRIENDS IN DIFFERENT TOWNS AND RECEIVE BOOK ON NEW PROCESS OF CANNING FRUITS AND VEGETABLES.

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(22 INCHES LONG)



(10 INCHES HIGH)

Complete Kitchen equipment for all for every purpose. ... and ... hate need ... results ... and will ... tained ... Any ... and ... the ... Kitchen ...

COUPON

... I will do my best to ... Kitchen ...

Name .....

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IN THE FIELDS

THERE are beautiful homes elsewhere than on the farm, and happy people live in them; but for constantly recurring things to cheer and make glad, the home on the farm is without a rival. There is toil on the farm, both in the house and in the field, and there are disappointments, but restful nature is there in matchless beauty, and its soothing effect is expressingly told in the following verses:

The little cares that fretted me,
I lost them yesterday
Among the fields upon the lea,
And with the winds at play;
Amid the lowing of the herds,
The rustling of the trees;
Amid the singing of the birds,
The humming of the bees.

The fears that never come to pass—
I cast them all away
While walking through the scented grass,
And in the new-mown hay;
Among the husking of the corn
Where glowing blossoms nod,
Where still thoughts die and good are born,
Out in the fields with God.

NOT STINGINESS BUT JUDGMENT

ECONOMY in feeding does not depend on stinginess, but on judgment. It is not saving at the expense of the stock, but a thoughtfulness and judgment that knows when to feed and how much to feed to enable the animal to gain rather than lose in value, and yet that involves economy to so feed domestic animals, or rather to so withhold feed from them, that they will lose more value than the feed saved is worth. Poor stock means bad farming. There should be less stock or more feed.

SLANG AND GUM

SOMEHOW we do not like to see girls chewing gum. It is a habit which adds nothing to their beauty, but it is suggestive of a desire to imitate tobacco chewing boys. It distorts a girl's face just as chewing tobacco distorts the face of a boy. And it is not a health promoting habit. One of the most important secretions of the body is saliva. It is a product of the salivary glands, and is essentital to the proper digestion of the food. Nature has arranged everything about right, and it has taught the salivary glands to give off the fluid in response to the motion of the jaws in chewing, just in time to be mixed with the food then being eaten. This same motion in chewing gum causes the same flow of saliva, which is a waste, as there is no need of saliva with the uneatable and indigestible gum. This continued operation exhausts the salivary glands, impairs the digestive powers, and paves the way for dispepsia.

And the rise of slang in conversation is another thing that robs a young lady of much of her beauty, for it is a fact that "beauty is as beauty does." There are plenty of good English words to fully express our meaning, and whenever slang words, words that have sound but no meaning, are resorted to, it at once gives the impression that the person using them wishes to appear smart, or to be like some one else who has used slang, all of which gives evidence of lack of refinement, or an absence of high minded politeness. Young womanhood will take a decided step upward when both slang and gum are abandoned; and the young lady who has never contracted the slang and gum habit occupies a higher and more attractive plan than do her associates who use them.

"Children Teething"

MRS. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

CARE OF THE LAWN

The lawn must not be neglected during any part of the summer. It must be mown oftener during rainy weather than dry, but if left uncut for too long a time it will become ragged and unsightly.

Many find it difficult to get the lawn nicely set. The failure is generally from acts of omission. Some think it is unneccessary to mow the lawn if the grass on it is thin. The surest way to get it well set is to mow it frequently. Of course the ground must be properly prepared, and made smooth and level, and there must be seed to begin with, but any plot of ground that is frequently mowed smooth will become set with grass, and if it has had the seed it will become set with lawn grass. On the contrary, without mowing no amount of seeding will make a nice lawn.

Moles are a great pest in the lawn. The home of the writer has been in the hands of renters and neglected for several years. The moles became bad. This spring and summer, by a little watching of their runs, we have caught eleven grown moles at work in the lawn. We have also made a practice of keeping the runs tramped down even with the surface. This saves the grass from dying out above the runs, and it seems to discourage the pests. As a result of this work, we have a large, thickly set, beautiful and smooth lawn. But it must be mowed every five or six days. Not a single mowing must be neglected, or the grass gets too high and ragged.

BAKED BEANS

IT does not matter much what has made Boston famous, but baked beans are good eating, and they are not found in farm homes as often as one would expect to find them. We are enabled to give from an exchange the following excellent way to prepare them. If you must use hard water use a little baking soda after the beans have just started to boil, but if soft water is available no soda need be used.

After the beans have boiled ten or fifteen minutes, drain off the water with the soda, and refill with fresh water. Put in an ample piece of fat pork or bacon, and salt to taste. If bacon is used no more salt may be needed. When about half done, take out and put in a large baking pan. Add two tablespoonfuls of sugar and some pepper. Slice the pork or bacon and put it on top of the beans, put in a hot oven and bake brown, being careful not to let the beans scorch or get too dry.

THAT SETTLED IT

Jim—Is Bill Green's second wife a spiritualist?

Tom—No. She was, but she aint now.

Jim—How is that?

Tom—Bill got to getting messages from his first wife.

How to Buy Soda Crackers in the Country

Next time you go to the store buy enough Uneeda Biscuit to last till next market day. "But," you say, "will they keep that long?" Yes—

Uneeda Biscuit

are the soda crackers that come to you protected in sealed packages, so that you *always* have fresh soda crackers no matter how many you buy or how long you keep them.

5¢ (Never Sold in Bulk)

NATIONAL BISCUIT COMPANY



10 DAYS FREE TRIAL

We ship on approval without a cent deposit, freight prepaid. DON'T PAY A CENT if you are not satisfied after using the bicycle 10 days.

DO NOT BUY *a bicycle or a pair of tires from anyone at any price* until you receive our latest art catalogs illustrating every kind of bicycle, and have learned our *unheard of prices* and *marvelous new offers.*

ONE CENT is all it will cost you to write a postal and everything will be sent you free postpaid by return mail. You will get much valuable information. Do not wait, write it now

TIRES, Coaster-Brake rear wheels, lamps, sundries at *half usual prices.*

MEAD CYCLE CO. Dept. G170 CHICAGO

Easy Money For You



You can easily earn $5 to $10 a day taking orders for our Stylish, Made-to-Measure clothes—many agents earn more. No money or experience necessary—we teach you the business & back you with our capital.

$5.00 TO $10.00 A DAY

SUITS $9.00 up PANTS $2.50 up

EXPRESS PREPAID

Every garment made to measure in latest city style—fit and workmanship guaranteed. One Hustling Agent wanted in every town. Exclusive territory. Write for agent's outfit FREE

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AGENTS 200% PROFIT



Handy, Automatic HAME FASTENER

Do away with old hame strap. Horse owners and teamsters wild about them. Fasten instantly with gloves on. Outwear the harness. Money back if not satisfactory. Write today for confidential terms to agents.

F. Thomas Mfg. Co., 881 Wayne St., Dayton, Ohio



AGENTS—My Sanitary Coffee and Tea Makers produce a pure, sweet cup. Needs no settler nor strainer and never wears out. Saves tea and coffee, money and health. New inventions. Send 15c for 50c size of either, postpaid, or will send sample of both for 25c. Without question the two best selling articles ever invented. Order both.

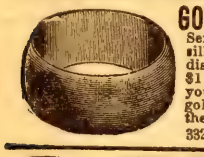
Dr. Lyons, 442 Day St., Pekin, Ill.

Wanted—A man or woman to act as our information reporter. All or spare time. No experience necessary. $50 to $300 per month. Nothing to sell. Send stamp for particulars. SALES ASSOCIATION. 629 Association Building, Indianapolis, Indiana

SUGAR Fine Gran. lb. 2½c

We SAVE you about one HALF on Groceries and general Merchandise and pay freight. Send no money but write at once for Free Catalogue 135

CENTRAL MERCANTILE COMPANY, Dearborn St., Chicago.



GOLD WEDDING RING FREE

Send for 10 packages of our beautiful silk and gold embossed post cards to distribute at 10c each. Return us the $1 when collected and we will send you by return mail this very fine 14K gold filled heavy band ring, not the cheap kind. Address, R. F. MOSER, 332 Household Bldg., Topeka, Kan.

SEND SELF-ADDRESSED STAMPED ENVELOPE for free sample of the "MAGIC EYE GLASS CLEANER," the slickest little thing you ever saw to help you see clearly to

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We Pay Your Fare Both Ways to Florida

If you buy Celery Farms property—ten acres—you get your railroad fare both ways. We have 60,000 acres in the finest section of Florida, a place where the crop of potatoes in 90 days will pay for the land and put money in the bank. Rail and river transportation, the best market, the earliest market, where the owners of the Colony help every man to success. We want 1000 families in the next sixty days and make concessions that will bring them. Don't wait to write tomorrow—

DO IT NOW!

FLORIDA HOMELAND COMPANY
452 Atlantic National Bank Bldg., Jacksonville, Fla.

Colorado Needs 5,000 Hog Raisers

We need more general farmers and hog raisers to supply local markets. No diseases; high prices; big profits. Write for information and literature on hog raising, to Colorado State Board of Immigration, Room 30 State House, Denver, Colo. We are supported by the state. Sell no lands.

Maryland Best in the Union

THRIFTY FARMERS are invited to settle in the state of Maryland, where they will find a delightful and healthful climate, first-class markets for their products and plenty of land at reasonable prices. Maps and descriptive pamphlets will be sent free upon application to State Board of Immigration, Baltimore, Md.

CANADA Just costs you a two-cent stamp for information worth $10.00. Canadian lands $2.00 per acre cash, balance 6 years.

J. A. HENRY, McDougall Court, Edmonton, Alta.

Old Virginia Farms for Sale Send for Free Illustrated Catalog, largest list in Virginia. Casselman & Co., Richmond, Va.

Extra Fine Post Cards Free

Send 2c stamp for five samples of our very best Gold Embossed Friendship, Flower and Motto Post Cards; beautiful colors and loveliest designs.

Art Post Card Club, 875 Jackson St., Topeka, Kan.

—100 Envelopes 50c—

Send 50c for 100 fine white envelopes—full size—with your name and address in corner. Guaranteed best work. Sure to please or money back.

EQUITY PUBLISHING CO., Indianapolis, Indiana

MAKING JELLY

IN many farm households, we believe fruit canning and preserving, and jelly making are begun too early. Of course, all fruits must be used in their season, but as a rule more fruits are available in the fall, and there is the advantage of cooler weather to work in, and the product itself does not have to be kept through the hot summer months.

Experiments in the household science department of the University of Illinois, are to the effect that the essential constituents of the jelly making fruit juices are, pectin, which is a carbohydrate closely resembling starch, and very common in fruits and vegetables, and acid. An element nearly always to be added is cane sugar. In making jelly too much sugar is oftener used than not enough. The result is an impairment of the quality of the jelly.

It is also harmful to over dilute the fruit juice with water; it leads to the use of too much sugar, and it is probable that the extra boiling thus made necessary impairs the texture of the jelly.

The fall fruits used in jelly making may be covered with cold water and then brought to the boiling point and thoroughly cooked. The juice may then be allowed to drip through a filter made of a double fold of cheese cloth. The pulp remaining in the filter may be again boiled with water, using the least posible amount, and again strained. The resulting juice makes as good jelly, apparently, as the fruit. Grape pulp has been thus boiled three or four times, good jelly being the result each time—better, some say, than the first, because crystals are not so apt to form in it.

Sour fruits like crab apples or other sour apples, are often added to the sweeter fruits or berries in making jelly, to give a special flavor, and some add lemon juice to jams and jellies, the principal purpose being to secure the lemon flavor, though it is claimed that the lemon causes the substance to "jell" more readily.

Jellies may be made of fruit juices without sugar, but contrary to the usual belief, such jellies are too expensive. It takes six times as much juice to make jelly without sugar as it does when the usual amount of sugar is used, the least amount being half a cup of sugar to a cup of juice. Hence, for many reasons, it is preferable to make jellies with sugar. Add the sugar so that it may boil with the juice about half the time of cooking.

POTATO PANCAKES

AS this is essentially the potato season on the farm, we give from the same exchange, another home dish that appeals to us.

Pare enough potatoes to make half a gallon when grated or ground through a meat chopper. Salt to season, and add to the groud pulp four eggs well beaten, one heaping tablespoonful of flour and half a cup of sweet milk or cream. Have a very hot griddle, with plenty of meat fryings or lard. Spread the batter on thin and let fry to a nice brown; turn and let fry about five minutes, or until the potatoes are well cooked. Serve as ordinary pancakes.

CANNING VEGETABLES

VEGETABLES may be canned the same as fruits. Be sure that they are fresh. Cook until every part of the vegetable is heated. Fill in cans or jars standing in hot water. Fill full, packing down quite close. Fill with the water cooked in and seal. Green beans or other vegetables may be thus preserved as fresh as when gathered from the garden.

A FLY KILLER

CUT a bit of window screen about five by seven inches. Tack it to a small handle like a fan. It is no trouble to hit and kill flei with it.

J. B. Seager, General Manager of the Seager Engine Works, 102 Seager St., Lansing, Mich., has hit the nail right spuare on the head with the mixer which he using on the Olds engine. This is a patented idea of his own and once set remains in adjustment, the suction of the engine piston draws in its charge for each working stroke so that the more numerous the strokes the greater the supply.

It is the nearest approach of any gasoline mixer in its operation to the human lungs. Write for Gas and Gasoline Engine Catalog, which is free.

The American Well Works, Aurora, Ill., have just issued catalog No. 117, which describes among others the "American Centrifugal Pump" the "Greatest Money Saver" dependable under every condition. Has had forty-one years of manufacturing experience behind it. Took all the Yukon-Pacific Exposition prizes in 1909. Made in both horizontal and vertical types in any size. Our reader should note the announcement with beautiful illustration in our columns, and write for the catalog if interested to the the general office and works.—A.

STARTLES THE COUNTRY

Marvelous Invention! Revolutionizes Wash Day!
New Ideas! New Principles! Amazing Results!
STARTLING, BUT TRUE! THERE'S NO MORE WASH DAY!
NOT A WASHING MACHINE
New Method of Cleaning Clothes. Clean Family Wash in 30 to 50 Minutes. No Labor. No Rubbing. No Motors. No Chemicals.
WOMAN'S HARDEST WORK DAY MADE EASY.

MONEY BACK IF NOT SATISFACTORY
You Decide After Using

Beautifully cleans woolens, flannels, blankets, colored clothes and white clothes, finest laces, curtains and bed clothes. *Saves trouble, money, time and labor. Easy Way* in 30 minutes cleans washing which before *took entire day. Largest family washing seems like play. All metal.* Strong, durable, sanitary, light in weight, easily used, cleaned handled. Always ready. Child or frail woman can use it easy.

Wash day robbed of its awful misery.

No more rubbing, sweating, stewing. Backaches banished.

EASY WAY SMASHES ALL REECORDS

Washing machines in the infant class—can't compare with it. Users delighted, enthusiastic, filled with joy. *Honest-hearted, hard-working* women write of their *own free will.* They can't help it.

Simply bubbling over with praise.

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CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

Death has come unbidden into the Cadet ranks, just as he comes whereever he enters. He has taken sweet little Gertrude McMillan, of Alberry Plains, Prince Edward Island, Canada. The following letter from her mother tells the sad story:

To the Editor: You will see by the slip of paper I send, that our dear little girl is dead. She died of diabetes, with which she was a sufferer for nearly two years. All in our power was done, but God knows best. I am going to ask you to print her letter if at all possible to do so. She looked every day for the paper hoping to see her letter. At last a paper came with a list of names in which hers appeared as a Cadet, but it was too late; she was gone when the paper came. Four little girl Cadets have sent her letters and I shall answer them. Continue to send the paper in her name. I am her mother—Mrs. George F. McMillan.

The following is the little girl's letter written May 23:

Dear Cadets: I am a Prince Edward Island girl, 14 years old, and I live on a farm. We used to keep four horses, but the other day we sold a dear old mare, so that leaves us with three. We keep 8 milk cows, and have a tubular cream separator. I have one sister, Wilhemina, named for the Queen of Holland. We have just begun to take UP-TO-DATE FARMING, and think it is a fine paper. I enjoy reading the Cadet letters very much. We live about 17 miles from Charlestown, the capital of Prince Edward Island. There is a creek running through our farm. We go fishing sometimes. I love to fish. I am very anxious to become a Cadet of Equity—Gertrude MacMillan.

We are sorry we did not get to print Gertrude's letter in time for her to read it in the paper. We all sympathize with Mr. and Mrs. McMillan.

* * *

We are sure the Cadets remember the letter from the little crippled girl in Tennessee. The following is another letter from her, and it makes me love the Cadets more than ever:

Dear Cadets: I cannot resist the temptation to write again. Little did I think when I wrote before, that there were so many kind, good hearted people in the world. Oh, if you all knew how much good your cards and letters did me! But words can't express the enjoyment they have been to me. On June 7, I was taken sick, and came near being paralyzed all over; and I had an abscess besides. I was very bad for several days. On th 10th I began to receive letters and cards. I have had 115 post cards and 65 letters, and they have come from 29 states. I do thank you all for them. And they came in such a time of need, to cheer me up when I was sick, and suffering so. Mama got me a nice box to put them in, and I had them set near my bed so I could read them until I got so bad. Then she put them away until I got able to have them again, and then my box was full. I am now able to be up again, and lie and swing in my hammock. I can't express the pleasure those letters were to me.

I was 12 the 24th of March, and I fell off 20 pounds while I was sick. I have the same feeling in my feet and legs. I can't use them any. My right knee turns in and my foot sets out and my ankle over, so that my leg is very crooked and in my way more than my left. Both legs are drawn almost to a sitting position. When I lie down my feet stay against my body, with my knees out. I can't move them any without taking my hands. But when I turn on my face I can draw up my knees enough to crawl. Of that I am glad. I can raise my body all right, and can use my arms and hands, for which I am very thankful. I never worry over my condition, for I know it would do no good. If it is the Lord's will it is mine. My parents are Christians, and we don't forget to pray.

Yes I have had Osteopathic treatment. The doctor said the little cups that held the nerves that went to the legs were dead, there could never be any more grown; but we are still trying to find something to help me. I enjoy my life, because I know there will be some way for me.

I thought all of the Cadets would like a reply from me. Some sent me postage, some their pictures, and some one thing and another. One gentleman proposed that I have my picture made and sell them at 25 cents each. I would do that on my car with my violin if I knew how many wanted them. In fact, I have decided to do as the gentleman suggested, and all who want the picture may write me. I can't answer all the letters I get, for I am not able, but I do appreciate them and will save them.—Nellie Tipton, Maryville, Tenn.

P. S.—I hope I have not imposed on our dear old UP-TO-DATE by writing again. I have received so much benefit from it that I could not help writing. We never had an UP-TO-DATE until last fall, when a sample came to us and we made up a club. Since then we have all been foolish about the paper. Papa and mama like it better than any other paper, and sure we children do. I want to make up another club, and be a Pioneer of Equity, but I can only do so as my friends come see me.——N. T.

We have given more than our usual space to the above letter, but we believe all the Cadets will justify us in it.

* * *

Dear Cadets: I am 16 years old, 5 feet 6 inches high, and weigh 126 pounds. My father is 66 years old and my mother is 63. I have two brothers; one is at home and the other has work in St. Paul. I also have 3 sisters, all married. One of them lives in California, one in Iowa, and the other in White Bear in this state. My father and mother came from Germany, and have lived on the same farm for 32 years,, a farm of 160 acres. My father was a soldier three years in Germany, and was for one year in the war. He can tell us lots of war stories. We raise corn, potatoes, wheat, oats, barley, and all kinds of fruit; but we havn't had a rain now for about two months. We are cutting grain now (July 26), and I have lots of work to do, including the milking of two cows mornings and evenings. We have 5 horses and 6 cows and calves. We live 15 miles from St. Paul, 3 miles from White Bear, and 2 miles from Hugo. I subscribed for UP-TO-DATE on the 65 cent offer, and got 50 post card and an album. I will be glad to exchange cards or letters with the Cadets—Agnes K. Stenzel, Hugo Minn.

Dear Cadets: I am 13 years old, and have light hair and blue eyes. I live with my parents on a farm of 80 acres, and I have one little brother. The crops in this part of Indiana are poor, especially wheat, and our fruit all froze this year. I have taken UP-TO-DATE about half a year, and I do enjoy it.—Berdella Abplanalp, Spades, Ind.

Dear Cadets: I am a girl 11 years old, have light brown hair and hazel eyes, am nearly 5 feet tall, and weigh 81 pounds. My papa owns a farm of 133 acres. He raises registered Holstein cattle and standard bred trotting horses, and keeps a pleasant home, with a large lawn in front, and a drive with maple trees on each side. There is a village, called Cayuteville, one mile from here, where we attend church. My home is in Scuyler county, only a short drive from Kayutah lake, a beautiful, sparkling body of water, with fine scenery and good fishing, and at this time of the year large fishing parties visit the lake daily. I attend some of them, and have very good times. Papa made me some stilts, and I can walk on them fine. I skip the rope, ride horseback, play ball, and help papa on the farm. I rake hay, and a few days ago I mowed some for the first. I have a pleasant large, white school house, only five minutes walk from home. This year our school was out before the June examinations. We raise all kinds of grain, vegetables, and most all kinds of fruit. Papa takes UP-TO-DATE FARMING, and we all like it very much. I like to read the Cadet letters, and have often thought of writing, but was afraid of the waste basket.—Lottie Christine Morris, Alpine N. Y.

Dear Cadets: I have been a reader of UP-TO-DATE for sometime, and I enjoy it very much, especially the Cadet letters. I am nearly 17 years old, and we live on a farm in Erie county, and it is a pleasant place. We grow most any kind of fruits and vegetables. I would like to exchange card with Anna Giles of Deepstep, Ga.—Anna Ottemi, McKean, Pa.

Dear Cadets: I was reading in UP-TO-DATE FARMING a while ago, about the Cadets of Equity, and I think I would like to be one. I live on a large farm, and there is lots of work to do. I live with my brother, a short distance from my father's. I do chores, work in the hay field, bring in wood, and do such things. I work for my board and clothes, and go to school, but my school is closed now. Our haying is nearly done, and I am glad of it. I am 13 years old, and have dark, curly hair and blue eyes. I would like to hear from any of the Cadets, and would be glad to exchange cards with them—Allen Tucker, Tunbridge, Vt.

Dear Cadets: I am a little girl from New York, but I was born on a farm in Ohio. I am 10 years old, and in the sixth grade. I take UP-TO-DATE FARMING, and think it is fine; I always read the Cadet page. I was to a little party today up in country, and had a fine time. I would like to exchange cards with the boys and girls of my age.—Grace Dikeman, Forestville, N. Y.

Dear Cadets: I live in the country, and I think it is much better than in the city. There are about 160 acres in our farm. We have taken UP-TO-DATE about seven months, and we think it is the grandest paper ever published. My school is about half a mile from our farm. I am 14 years old, have light brown hair and eyes, and light complexion. I agree with Orby Malock about going to parties. I would like to correspond with any of the Cadets.—Ida obbins, Chaumont, N. Y.

Dear Cadets: I am a Canadian girl 20 years old. I live on a small fruit farm three miles south of Lake Ontario. I enjoy working among the fruit, helping my father, for he is a cripple and cannot work very well. My sister and I do most of the hoeing on our fruit farm, and we also help to pick all the fruit. I have 4 brothers and three sisters, and we are a jolly lot. This is a fine fruit country, and nearly everybody raises lots of fruit. I would like to exchange postals with the other Cadets.—Barbara Moyer, Vineland, Ontario.

* * *

And now we must close, with apologies to the Cadets whose letters we have not yet been able to print. The unprinted letters are all preserved, and the writers are registered in the Cadet Roll Book. No writer need fear the waste basket; we have none for Cadet letters. Let the numbers increase. And we are also anxious for the Pioneers of Equity to grow to be strong and helpful. This is naturally the dullest season of the year for newspapers, and a strong band of Pioneers could be a great help to us. Any one asked to do so will pay 25 cents for UP-TO-DATE a year, especially when doing so they can help a great cause, and assist a young friend to become a Pioneer of Equity.

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Up-to-Date Farming

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Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

"You may lead a horse to water but you cannot make him drink."

—o—

This proverb has often been used to illustrate the supposed fact that farmers can be organized but you cannot make them stick and co-operate.

—o—

The proverb is true as applying to a horse that is not thirsty, and only to such. When a thirsty horse is led to good water the natural and inevitable result will be that it will drink.

—o—

And the application should only be made to farmers in the cases when they have been organized for unreasonable objects, or along impractical lines—in an organization that failed to give them enough benefits.

—o—

But bring them into an organization that satisfies their thirst and hunger for benefits—for enough financial gain—and they will take to it and stick to it until they are satisfied, which will not be until agriculture ceases to be a business.

—o—

The objects and plan of the Farmers Society of Equity are satisfying, and they are the only ones that will satisfy farmers. A practical system to market farm crops direct to the demand, and always secure profitable prices to the producers, has been sought for many years.

Individuals, local clubs, district organizations, the producers of certain crops and also organizations of national scope for all crops have tried to solve this problem but they did not succeed because they did not have a practical system.

—o—

There is more effort being made now to market farm crops at profitable prices than ever before in the history of agriculture in this country; yet there has never been a year of more disappointments to producers, transportation companies, handlers and consumers, than this year, 1910 .

—o—

But these expensive experiences are compelling the people to seek for a safe and practical system. By "the people" we mean producers, transportation companies and handlers. There is hardly an important railroad system that has not already undertaken to assist producers to find profitable markets for their crops, and the National League of Commission Merchants declare as follows:

The League has been ever ready to cooperate with the growers and their associations in fostering the perishable food industry, and probably has done more than any other factor to direct the produce of the farm and orchard to only upright and dependable commission men and protect the farmer from unscrupulous merchants. The honest wholesaler will gladly welcome a system of equitable distribution of farm products that will bring proper values.

—o—

Also the local and district organizations of producers are beginning to realize that such co-operation is not much better than no co-operation at all and in many places they are considering enlarging the scope of their operations. As an instance read this report about the coming meeting of the Southern Texas Truck Growers Association:

—o—

* * All realize that the future success of onion growing depends upon united action and the marketing of the crop as a whole. * * Among other important questions which will be discussed is the matter of uniting all truck growing organizations in the State into one compact body to work with one concerted action in growing and marketing with a view to beter prices.

—o—

That would be a step in the right direction, but only another step. If truck growing, or rather marketing of Texas crops was under one head it would be better than many independent organizations. But farmers marketing problem will never be solved **until state boundries are obliterated and there is one organization for the whole country, for all producers, for all crops.**

—o—

Such is the scope of the Farmers Society of Equity. Such is the Equity System of marketing. And an organization built along the lines of this Society will be sound, and as enduring as the business of agriculture. Also its Equity System of marketing is practical for all the crops of the country and when adopted will absolutely give profitable prices to the producer, more business and more profits to transportation companies, certainty, in business and profits, to handlers and, not the least important, Equitable prices, much lower than at present, to the consumers.

—o—

We invite every farmer, every handler of farm produce and every officer or agents of the railroads to study the Equity System of marketing. It will solve, to the benefit of all legitimate business, the most important problem seeking a solution in our country today.

—o—

AND TO FARMERS—PRODUCERS OF ANY CROPS—DON'T MARKET ANY PRODUCE UNTIL YOU SEND THE BLANK BELOW AND BE ENTITLED TO MARKET BY THE EQUITY SYSTEM. AT LEAST INVESTIGATE THIS FULLY BEFORE YOU MARKET ANOTHER BUSHEL, BALE, OR POUND OF ANY CROP YOU HAVE.

MORE EXCHANGE FOOLISHNESS

There is a Southern farmers society that has tried to copy after some of the Equity principles, but the imitation is a slander on the original. For instance: It has State unions but has no rules or laws governing them. The members in a state may meet and resolve to do anything that the delegates assembled take a notion to do, the national organization, as we have said, puts no restrictions on them.

To illustrate: The Union has some members in Southwestern Indiana and they met in State convention August 4th and 5th. From a report by W. H. Blodgett to the Indianapolis News, the 39 delegates in attendance resolved to organize a company with a capital stock of $1,000,000 to market farm produce direct to the consumers. "$500,000 of this" the report says, "will be put in a huge produce exchange building at Indianapolis." To this huge exchange it is stated, "the farmers in every county in Indiana that is organized, will ship their butter, eggs, poultry, in fact all farm produce except live stock and grain, and offer to the Indianapolis consumers lower than they would have to pay if the stuff had been purchased by middlemen." The report says also that the object of the exchange is "to do away with the middleman and divide his profits between the producer and the consumer."

We have exposed these schemse so often, and printed instances where they have been tried, only to fail, that our old readers do not need another warning. But UP-TO-DATE FARMING is growing and thousands of new subscribers come every week and all of these subscribers must be warned and all should see that their neighbors are not "roped in" on any such wild cat schemes, so let us consider this proposition.

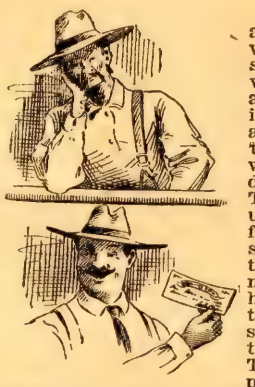
In the first place this proposed exchange is for Indiana producers. There is not a producer in Indiana who has not now access to the Indianapolis markets. That is, he can now ship his produce, either alone or with his neighbors to one of the houses in Indianapolis that handles produce and that house will sell it to the consumers or grocery stores.

What else does the Union propose to do? Instead of shipping to an old established house it says we will establish a new house and ship to it. There cannot be any construction put on their intent other than that one link in the present system will be dropped and a new one put in. Then the question is; can the new exchange with farmers' capital and possibly a farmer manager, handle the produce any cheaper than the old house, or be satisfied with less profit? (All these schemes contemplate dividends to the **stock holders.)** We believe it cannot. If it cannot then what excuse can there be for the change?

But what is the use of speculating on the conduct of the exchange. There will never be such an exchange. The stock can't be sold, except to a few easy-mark farmers and all the money they put up will be absorbed by the hungry promoters.

So we again warn farmers against all such capital stock schemes. What farmers want are profitable prices. They already have the crops, so they don't need to put up a capital to buy them, and having the crops the way to get profitable prices is to not sell them, control them, until the prices are paid. There is no simpler way under the sun; for a fact there is no other way. When the prices will be paid sell to whoever wants them and has the money.

BEFORE AND AFTER



This is not a medical advertisement showing the victim before and after taking. But it is a picture of two farmers who marketed different ways The top picture is of a farmer who sent produce to a blind market and he got no returns — struck a glutted market. The lower picture is of a farmer who used the EQUITY SYSTEM and he is delighted over the check for a handsome amount. See how despondent the man is in the top picture and how happy the one is in the lower one. I wonder why any one will ship to a blind market any way, don't you?

USE THIS BLANK BEFORE YOU MARKET ANY CROPS

1 DOLLAR

FARMERS SOCIETY OF EQUITY
Indianapolis, Ind.

GENTLEMEN: I want to be enrolled as a **Member-at-Large** in the **Farmers Society of Equity** and be entitled to all the benefits thereof.

I enclose $1.00. Please enroll me as a member with all dues paid for one year, send me the official paper, UP-TO-DATE FARMING, one year, full particulars of the Equity System of marketing and the key to use it and to get the benefits of it, also necessary books, blanks, etc. (If a subscriber to UP-TO-DATE FARMING now your time will be extended a year for this payment.)

(This blank should be used only when there is no local union organized or organizing at your shipping station and the Member-at-Large must connect with the local union when one is organized there.)

My Name .....

R. F. D..... P. O. .....

County ..... State .....

My shipping Station is ..... Are you a subscriber to .....Up-to-Date Farming now?.....

INTERNATIONAL INSTITUTE OF AGRICULTURE

There exists at Rome, Italy, an insituation that, from reports has been assisted very much by the King of Italy and is housed in a building built by him. Its purpose is to gather agricultural statistics and disseminate them. In a bulletin dated July 1910, just received, we find a "calendar" showing the times when wheat is sown and harvested in various countries; an estimate of the area sown and estimated yields of Winter Wheat,

Does Your Wife Do This On Wash Days?



If she doesn't, you should have no riding plow, manure spreader, or other modern convenience now regarded a necessity on the farm. You ought to be ashamed of yourself. Go today and buy her an

Automatic Power Washer With REVERSIBLE WRINGER

This machine is not a hand-power washer with certain attachments added to transform it into a power washer. None of the machinery is fastened to the bottom of the tub, to be drawn out of alignment by warping. The driving belt is on the left side, entirely out of the way. It can be driven by one of the small gasoline engines now so common on the up-to-date farm.

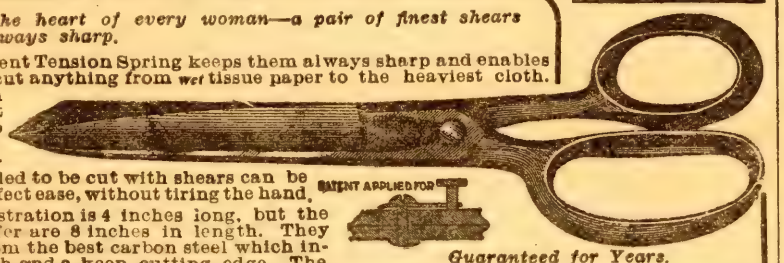
Free Booklet Get our free booklet and learn all about it. Get busy before your wife is compelled to do any of those nerve-racking, disposition-destroying spring or summer washings. One man who bought one of our washers is bragging about his wife taking on some of her girlhood beauty and spirit again.

Automatic Electric Washer Co., Newton, Iowa

Ever-Sharp Shears FREE

Dear to the heart of every woman—a pair of finest shears that are always sharp.

The Patent Tension Spring keeps them always sharp and enables the user to cut anything from *wet* tissue paper to the heaviest cloth. The tension on the rivet can be set so that any kind of material intended to be cut with shears can be cut with perfect ease, without tiring the hand.



Guaranteed for Years.

The illustration is 4 inches long, but the Shears we offer are 8 inches in length. They are made from the best carbon steel which insures strength and a keen cutting edge. The manufacturers guarantee quality of material and workmanship in every pair.

MY OFFER: One pair of these Shears will be sent free for your renewal or a new subscription 2 years for 50 cents.

J. A. EVERITT, Editor, Indianapolis, Ind.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

Agents Wanted

AGENTS—Handy Hame Fastener. 200 per cent. profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

Farm Lands For Sale

FARMS FOR SALE—Several strong productive North Georgia farms, suited to all lines of farming. Perfectly healthy and comparatively level country. Farms containing 40 to 500 acres at $5.00 to $15.00 an acre. J. C. Mosley, Cane Spring, Ga., R. R. No. 1.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

Farms Wanted

FARM WANTED—I want information immediately about a good grain or stock farm for sale. There is a good buyer waiting for it, willing to pay your price. Write me at once for full particulars. Address Arthur Capper, Dept. 67, Topeka, Kan.

FARMS WANTED—We can turn a quick sale for you, as we are in close touch with buyers everywhere. Let us show you how to save agents commissions. Or if you want to buy property of any kind, anywhere, write us. American Investment Association, Minneapolis, Minn.

WE CAN SELL YOUR PROPERTY. Send description. Northwestern Business Agency, Minneapolis.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. [illegible]

Ginseng

GINSENG—best paying [illegible] grown. Ginseng Culture free. Write for [illegible] W. N. Long, Florence, Ky.

Male Help Wanted

WANTED—R[illegible] Mail Clerks, Clerks at Washington, D. C. [illegible] Carriers and Examiners. Common education sufficient. Fall examinations everywhere. Preparation free. Write immediately for free schedule showing dates and places. Franklin Institute, Dept. W 71, Rochester, N. Y.

SALESMEN AND SALESWOMEN WANTED—Thousands of [illegible] positions now open, paying from $[illegible] to $[illegible] and expenses. No [illegible] required to get one of these [illegible]. We will teach you by mail to be an expert salesman or saleswoman by mail in eight weeks and assist you to secure a good position and you can pay for your tuition out of your earnings. Write today for full particulars and testimonials from hundreds of men and women we have placed in good positions paying $100 to $500 a month and expenses. Address nearest office. Dept. 444 National Salesmen Training Association, Chicago, New York, Minneapolis, Atlanta, Kansas City, San Francisco.

GET A BETTER PLACE—Uncle Sam is best employer; pay is high and sure; hours short; places permanent; promotions regular; vacations with pay; thousands of vacancies every month; all kinds of pleasant work everywhere; no lay-offs; no pull needed; common education sufficient. Ask for free booklet H 329 giving full particulars and explaining my offer of position or money back. Earl Hopkins, Washington, D. C.

Orchard and Nursery

FARMERS, WAKE UP! And grow seedless fruit. It will be dollars in your pockets. Full instructions sent for $1.00. Martin Co., Box 74, Redding, Cal.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to The Equity System, 95 S. Water St., Chicago.

Produce Wanted

TOLEDO, OHIO, wants choice potatoes. Customers waiting for them. GRAND RAPIDS, MICHIGAN, wants cabbage and other produce. BOSTON market is good for first class cabbage. CINCINNATI, OHIO, wants apples. They ought to be packed in barrels very tight and should be good quality. Prices, $2.35 [illegible]; medium grade, $1.75@2.00 per barrel. [illegible] needs hay, especially old hay. Better send any old hay in now before the new hay [illegible] the price down. Oats, [illegible] also are needed. [illegible], PA., wants grain, hay, [illegible] all produce. CINCINNATI, O., [illegible] for wheat, corn, oats, [illegible]. All that is necessary is to address THE EQUITY SYSTEM, at the [illegible] and issue a long list of wants will be printed. Correspond with "The Equity System" in above cities or ship your produce. Send for the Equity System directory for more than 60 markets.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

Winter Rye, Winter Barley and Winter Oats; also the same for Spring varieties. The publications are made in the English, German, Italian and Spanish languages and sent to "parties interested" as is stated.

There is nothing done or contemplated to be done by this institute other than is done by the U. S. Department of Agriculture and several other agencies throughout the world. It pretends to be an aid to agriculture but it has missed its mark like many others, we will say, foolish activities. Our congress was asked to support the institute but very wisely declined. We do not know whether it has support, other than that given by the King of Italy and we presume if he wants such a play-thing he may have it.

CONTINUED DECEPTION TO EXTORT MONEY

We have not cared to parade our personal affairs before our readers to whom it is our business and constant endeavor to bring general benefits; but many of them are aware that Mr. Everitt was compelled to sue the old American Society of Equity for a large sum of money. Its unscrupulous officers, since 1907 have resorted to every known device to cheat him out of the amount and delay the time when the case could be tried in court. Finally, in May, the trial was begun but before it was completed Mr. Everitt's atorney was taken ill and the suit was dismissed on Mr. E's. motion only to be refiled. This was done. The suit is now pending with a certainty of being decided in his favor, as all the criminal suits he was compelled to bring in his vindication, have been.

But those men, whose only activity for nearly three years has been to deceive the people, proclaimed that the suit was decided in their favor, and in the midst of their pretended jubilation, they appealed to farmers for more money. $2,000 they asked this time. Two months after the call was made they published a list of eight people who had allowed themselves to be buncoed out of a total of $18.50. We refer to this at this time, particularly as the people are continually repeating their false claims and continue their efforts to extort money in each number of their paper down to the last issue.

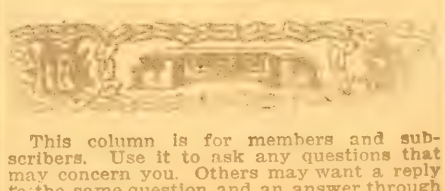
We know farmers will refuse to contribute to an additional slush fund to further their unwise plans and methods when the true character of the people and their activities are known. The following letter, which is a sample of many is evidence that our efforts to protect farmers are successful and are appreciated:

Mr. J. A. Everitt, Pres.:

I have read all the literature you sent me about the A. S. of E. I am fully convinced that you have done the right thing and I, as a member, will say that I am pleased to know that the Farmers Society of Equity has a man at the helm who has the backbone to stand by Righ and Justice regardless of the consequences.

I have, during the past two years had some correspondence with the A. S. of E's. Equity Exchange at St Louis, but I never could get enough information to convince me that it was a safe investment. Everything is very clear to me now. I am done with the old society and also its exchange.

I am now ready to do everything I can for the Farmers Society of Equity. I will see all my friends here and convince them that everything is all right and do my best to report a local union in the near future.—G. A. Ward, Searcy, Ark.



This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

QUESTION: *I am a member of the F. S. E. and want to market through the Equity System. We have wheat to sell and would like to sell by the first of October, not later than the first of November if we can get a good price by that time.* (1). *When and where do you think will be the best time to sell?* (2). *Do you think any 1910 crop of wheat will sell for $1.25 and when?—Clarence W. Rhodes, Hale Co., Tex.*

ANSWER: When you are ready to sell will be the time to ask us for the best market. (2). I do not expect the price to reach $1.25 by Oct. or Nov. 1st, but I do believe that price will be reached before the 1911 harvest. Read the paper carefully and hold your wheat awhile.

Q: Can you furnish UP-TO-DATE FARMING *printed in German. The Germans in this section seem more desirous to organize than the Americans are and I want something that they can read.—J O. Thomas Shackelford Co., Tex.*

A: No, the paper is not printed in German now, but will be as soon as we can afford it. You should put the German Third Power book in their hands, price 50 cents postpaid. It is a complete education in organizing and co-operative selling.

Q: I am thinking of geting a machine to shred corn-fodder for feed. Will some reader of UP-TO-DATE *who have fed shredded corn-fodder please tell me what they think of it.—C. C. McMillen, R. R. 3, Osborne, Kas.*

Q: I have 400 bushels of wheat to sell when the market price is satisfactory to me. Can I market it through the Equity System advantageously?—J. W. V., Sciota Co., O.

A: You should ship grain only in car loads. A minimum car load of wheat is 1,000 bushels, 60,000 pounds and the maximum is the "capacity" of the car as painted on each car. You should get your neighbors to join with you to make a car load.

Q: My county is not organized in the F. S. E. although there are several members here and we have no county union. In this condition I understand we cannot expect wire directions from headquarters where to ship. How shall we proceed to find the best market and when to sell? We raise wheat, potatoes and apples to ship.—M. W. W., Allegan Co., Mich.

A: For wheat apply to representatives of the Equity System on markets East and Southeast of you; for potatoes to representatives in the Southern markets and for apples all representatives in the Northwst, West of Missouri and Arkansas, and in the South. Tell them just what the members can ship and when. The representatives will then work with you to get the best prices. See booklet "The Equity System of Marketing," No. E 36, which will be sent free to all members of the Farmers Society of Equity; others are not entitled to it.

Q: Is it sufficient to consign shipments to "The Equity System" on any market and will it reach the representatives of the Farmers Society of Equity and be handled by them?—H. J. Davis, Schuylkill Co., Pa

A: Yes, except I will say that the F. S. E. has not got a representative in every market yet It has in 63 of the leading markets, in 29 states. It is absolutely necessary to have the market "Directory" which is in the booklet No. E 36, and is confidential for members only. Shipments from members marked to "TheEquity System" in each of the 63 cities will reach the Society's representative.

Q: Does the F. S. E. positively forbid the organization of a local union at any place except at a shipping station? For instance, it would be more convenient for us to meet in our school house or at the members homes.—M. A. Stevens, Person Co., N. C.

A: No. But keep in mind that the F. S. E. is a farmers business organization. Its chief business is to direct its members crops to market. In carrying out this feature the local union secretary is the members' business and shipping agent and must be at the station. Of course a local union performs many other functions for its members and should be made the social center of the community as well as the business center. Even in communities where no surplus crops are produced *to ship* the local union of the F. S. E. may be made the most vital thing in farmers business and social activities. In such cases the rule that it should be mantained at the station may well be waved.

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble.

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which [illegible] or of the sympathetic nerve system that [illegible] the digestive organs. Write us NOW and we will save you days and weeks of misery! Address [illegible]dy Co., Box 55, Sta. F, Toledo, Ohio.

CAMERA & COMPLETE OUTFIT



25c Takes pictures 1½ x 1½. A little gem. Sure to please. Leatherette covered camera and complete [illegible] of plates, paper, chemicals, &c. with complete instructions so any boy or girl can take GOOD PICTURES of landscapes, buildings, friends, &c. All sent for only 25c (silver) or 3 for 60c.

ALDEN & CO., Sta. A, Indianapolis, Ind.

BED WETTING Cured. 25c pkg. FREE C. H. ROWAN, Dept. 72, P.O Drawer 794, Chicago

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 152 STATE ST. CHICAGO, ILL.

WANTED AN ORGANIZER IN EVERY COUNTY IN THE UNITED STATES to organize a **LOCAL UNION** of the Farmers Society of Equity at every important shipping station and a **COUNTY UNION** at the county seat, or central point. Larger fields for capable people. Write for our terms.

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

THE FIELD

UP-TO-DATE FARMING will print in this department short letters from its subscribers on any subject of general interest and calculated to further the mission of the paper.

Proud of Up-to-Date

Although I have been taking UP-TO-DATE FARMING but a short time I am proud to see it and can hardly wait from one copy to the next. I am a strong supporter of the Farmers Society of Equity and will be glad when enough farmers join hands to fight for equitable prices. If you have any educational matter that will help to get it started here I will distribute 200 pieces. I will try to organize here.—G. O. Gumsteg, Kingman Co., Kas.

We sent educational matter to Mr. Gumsteg and reminded him that farmers have no fight against anybody, but it is purely a mater of standng for their rights and taking what is theirs in equity.—Ed.

Defended F. S. E. Principles in Debate.

I have been reading about the Equity System of marketing and your comparison with the old system with very much interest. I joined the Equity Society when it first started and am pleased to say that I was not led off from the true plan by the deceivers. I will continue a zealous worker for our cause. I was visited a few days ago by a committee and was invited to meet a F. E. & C. U. man in joint debate on the relative merits of the two societies which I accepted and the debate was in the Foilflat school house. The result was that the large audience was strongly impressed with the superior principles and more practical plans of the F S E. over the other society. I urged all of those present to take and read UP-TO-DATE FARMING as the best way to learn how to co-operate to control marketing and compel profitable prices. The merits of the debate was plainly all on one side and I was sorry for my opponent. But he can't make an enduring farmers' organization out of exploded theories.—J. O. Thomas, Shackelford Co., Tex.

Heartily in Sympathy.

I have now read the four articles in UP-TO-DATE by Mr. Merrill supporting the Boards of Trade or Produce Exchanges and your comparison with the Equity System of marketing. If you will permit me to sit as one of the jury, this is my verdict:

Your arguments in favor of the Equity System have such a preponderance of weight over his, that his really sink into insignificance. And more, Mr. Merrill misrepresents the methods of the Produce Exchanges for they depend on their dupes to a great extent for their gains. I consider the boards of trade nothing short of gambling dens. I know two men here who lost their farms dabbling in speculation on the Chicago board of trade and I presume there are thousands of other country dupes.

I am heartily in accord with your efforts to better the farming world.—B. B. Frisbil, Adair Co., Mo.

Almost Want to "Grow Good."

I have been reading UP-TO-DATE FARMING a few months and have become very much interested in your discussion of "Produce Exchanges vs. The Equity System of Marketing." If I get the meaning of what is printed for the Equity System it is, or would be most complete in arrangement and efficient in producing wholesome results for farmers of this country; in fact for marketing the food products of the world.

The idea, as I catch it is simple and reasonable. I do think, if I were a younger man, and interested as I am in farming, and with my experience in marketing farm products, especially the grains, and I think it could include the egg trade, and to a large extent, fruits and vegetables, I would join with others to put the System in working shape as quickly as possible. It would certainly would be a beneficial thing for millions if the amount of food products could be known at a central office as quick as the crops were produced, and the price then fixed for a year. Then with only the added cost of sending it straight to the consumptive demand such a condition of Equity would be made that the human family would at once almost, want to "grow good." And all crops for clothing should certainly be included.

But Friend Everitt, tho one should not persuade himself that he is old at only seventy years, yet we must rcognize and admit that at that age the machinery is oftenest somewhat worn, and that it is impractical to enter on big undertakings. So, all I have a right to say is "work away."—Thos. E. Scott, Blackford Co., Ind.

Must all Pull Together

Being a reader of your most excellent up-to-date paper I want to say that it is one that every farmer ought to read. I am a farmer and in favor of a Farmers Society of Equity. Farmers certainly ought to get what their crops are worth. But to get it they must get together as John Adams said in 1775 on the occasion of the signing of the Declaration of Independence. He said: "We must all pull one way to gain our point of being independent." We farmers must fall in our line and pull together and we will gain an industrial independence.

We farmers in Michigan cannot afford to raise potatoes for 10, 15, 20, or even 25 cents a bushel. Even if we can furnish the ground, the seed, plant, cultivate, fight bugs and blight, harvest and market them at a cost of 20 cents a bushel and sell them for 25 cents, that 5 cents profit on a crop of 500 bushels is only $25.00. Such a sum won't go very far in keeping us through the winter and making us happy. So get together and say potatoes must never bring us less than 50 cents a bushel as the wheat growers have settled on $1.00 a bushel or more, because of UP-TO-DATE FARMING'S teachings.—Sidney Middleton, Lelanaw Co., Mich.

Gave More Solid and Loftier Ideas.

Some time ago I received a copy of UP-TO-DATE FARMING and read it with much pleasure and profit. Before I knew there was such a paper my thoughts and words too were along the lines you advocate but by reading this paper I got more solid and loftier ideas of a sqpare deal for us farmers. I have lived here three years and formerly lived in Indianapolis.

I want to learn all about the Farmers Society of Equity movement so I can explain it more thoroughly to farmers. I do love to talk to others and tell them the right when they are in the wrong, and nearly all farmers are in the dark on the most important part of their business —the marketing part. "We are our brothers' keepers." Please tell me how I can help to spread the nw gospel and earn money to maintain me in the work. I have worked in factories and know the lot of such workers, now I am a farmer and want to help them.—Will T. Noe, Sumner Co., Tenn.

$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

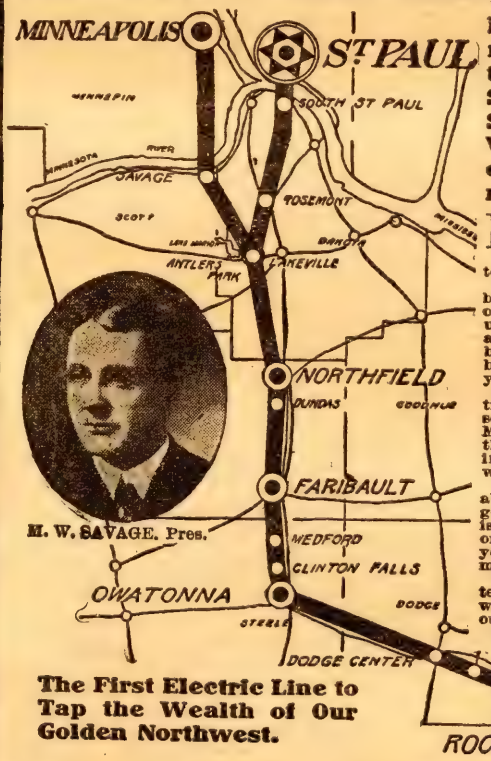
Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K1867 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

Electric Interurbans are Proving to be Big Money-Makers

I Am Building the Dan Patch Electric Line and Offer You this $1000 FREE to Make Money With Me in This Enterprise



M. W. SAVAGE, Pres.

The First Electric Line to Tap the Wealth of Our Golden Northwest.

I Will Give You $1000 in the Voting "Common" Stock, Absolutely Free, in Addition to a 10 Share Investment in Our Preferred Stock, and I Believe this Free "Common" Stock Will Increase to Over $2000 Cash Value. Smaller Investments Will Receive Same Proportion of Free "Common" Stock.

I BELIEVE I can show you the best electric investment opportunity that ever came to your notice—I firmly believe it and I have backed up my belief by a $100,000 investment myself. I don't want you to say "yes" or "no" until you give me a chance to talk with you a little while.

If you've got some money that you want to place where it will bring you big returns, or if you want to invest a little each month out of your income, give me your careful attention for a little while until I can lay before you an investment proposition that strikes me as a great big money maker for the people, and the indisputable facts bear me out in my judgment—I want you to have all the facts and then I believe you will want to put your money where it will work for you and you only.

Now, the first thing to do is to send you my big 40-page "Book of Electric Railroad Facts," which I'll mail you free and at the same time I also send you my other book called "Why Wall Street Rules With the People's Money." When you get these two books which contain all the facts about the Dan Patch Electric Railroad and about me, personally, then I'm willing for you to sit in the quiet of your home and pass judgment on the whole proposition.

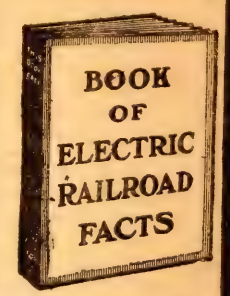
I just want you to have these two free books that will open your eyes about banks and Wall Street and investments in general; and when you get these two books I'll take my chances on whether you'll say "Savage is wrong" or "Savage is right," and it won't interfere with our feelings or friendship if you never invest a dollar or never write me again. I offer you these two books free—I want to show you how you can make your money work and earn for you.

Now just a minute, while I give you a few facts. Perhaps nine out of ten readers of this paper know me already, but to those who do not, I want to say that I've been doing a national and international business out of Minneapolis for the past 22 years.

My business is now the largest of its kind in the world—made so by the continued patronage of nearly three million thinking, progressive, hard working farmers and stock-raisers. These people are my friends and customers—thousands have already invested in my new enterprise—some from your own State and from every State in the Union and every Province in Canada. I have built up a number of big enterprises here in the Northwest and now I'm building the biggest of them all. It is known as the People's Electric Line, owned and controlled by the people.

OUR SPLENDID 57-FOOT, ALL-STEEL CARS COMMENCED RUNNING IN JULY, 1910

WHY WALL STREET RULES WITH THE PEOPLES MONEY



Dan Patch Electric Railroad

The Dan Patch Electric Railroad runs from Minneapolis to Rochester, and back from Lakeville to St. Paul—130 miles.

I am not merely "thinking" of building this Railroad, I am reallybuilding it now—grading on the first section is completed and cars are running. We have started grading on the last division from Owatonna to Rochester.

I am working to make this the best constructed and biggest dividend-paying Electric Railroad in the country. High-class Electric Roads from New York to Spokane are great money-makers. I tell you all about it in my Big Book. This is the second time I have given the people a chance to share with me—my other new enterprise paid 30 per cent—the dividend checks were mailed out on June 1st.

Now is your chance to share with me in this enterprise—the greatest of them all. I will give you $1,000 in voting stock in addition to a small investment. I want to send you the estimated net-profit statement, showing how your investment can rapidly increase in cash value. This information is contained in my Big Book of Electric Railroad Facts. I want you to have it even though you never invest a dollar, and I am especially anxious for you to have my new Book, "Why Wall Street Rules with the People's Money."

Don't be backward about sending for these books. I want you to have them and they won't cost you a cent—they are free—some of these Wall Street secrets will open your eyes. I want you to see how the people's money works for Wall Street. I want to show you how to make your money work for you and for no one else.

Send For The 2 Books Now.

MAIL ME THE FREE COUPON

I am not drawing any salary and I have not received any free stock except with the preferred stock I bought. I cannot make any money except by the rapid increase in value of the "common" stock. I personally guarantee to protect your stock equally with my own and that it will make exactly the same per cent of profit. This is truly a people's road that is owned and controlled by the people.

I offer you the "Common" Stock Free instead of giving it to Wall Street. It is the "common" stock that has made the great railroad fortunes—"common" stock will make you rich if you carefully select it. Do you know of anything as good as the Dan Patch Electric Line?

M. W. SAVAGE, President
Minneapolis - - - Minnesota

M. W. Savage, President and Treasurer, Dan Patch Electric Line, Minneapolis, Minn.

Dear Mr. Savage:—I don't know whether I'll invest any money or not, but would like to have you send me your two Books—without any obligation on my part—"Book of Electric Railroad Facts" and "Why Wall Street Rules With the People's Money."

If interested I want you to send this coupon today—SURE

Name.....

Post Office.....

State..... *Up-to-Date Farming*

Remarkable New Wheat--Introduced 1909

GRAINS O'GOLD

IN introducing this wheat last year we said:

"This new wheat, like other varieties of our introduction will immediately spring into great popularity. Our customers who secure seed this year, although the price is rather high, will be in line to reap the rewards with us, that always come from introducing a valuable new variety of grain. All that can be raised of Grains O'Gold wheat for several years will be needed for seed purposes."

What we said has come true in a tremendous degree. Wherever Grains O'Gold wheat was sowed it has surprised wheat growers by its hardiness, vigorous growth and guarantee of great yield. (Space prevents us printing many more testimonials). The testimonials below are from people who grew this wheat for our trade on contract and are fair examples of the experience of a great number who took our advice last season and bought the wheat outright. Everyone of them will find quick sale for all he has to spare at our price in the neighborhood. And what is true this season will be true for several years. So if you are a wheat grower and want to raise the very finest wheat in existence, as large a yielding, smooth wheat as has been originated in probably fifty years and one that you can sell for seed at an extra price, send your order now for the Grains O'Gold wheat.

This grand wheat was originated by Mr. Adams, the originator of the Fultzo-Mediterranean which is a wonderful wheat. The selection and breeding to establish the Grains O'Gold covered a period of eight years. The heads of this new variety have white chaff, are medium long, about a third longer than its parent. The meshes are almost as close as the club headed sorts, consequently a head has many meshes, many grains. The head illustrated here is exact size of an average head. It is made to represent the chaff removed on one side exposing the grains. Note how many are on one side. Twice this number is the number in the head. We say positively that this is not an unusual head but a common one with the Grains O'Gold wheat.

Grains O'Gold is one of the hardiest varieties to stand hard winters and also to recover from many winter freezes. It stools in a truly wonderful way, grows tall, but stands up well, color while growing the darkest green of any wheat denoting wonderful natural vigor. The grains are medium size, amber color, fine hard texture. A field of Grains O'Gold wheat is different in appearance from any other variety at almost all stages of development and at harvest the thick, long white-chaff heads, with golden grains drooping and waving in the sunlight is a beautiful sight.

Read below reports:



..A head of Grain O'Gold wheat with chaff removed on one side and the grains exposed. This illustration shows the length and breadth of a fair average head, the number of meshes and how located on the head. The drawing is a true copy of the head.

The Grains O'Gold wheat stood the winter well, markedly better than any other variety in this locality. It is very vigorous, rank growth and from all indications will yield at least 25 per cent more than any other variety about here. It appears to be the very best wheat, especially this year which was the second worst for wheat I have known in 12 years. The wheat in this county is not over 40 per cent of a crop but Grains O'Gold will make good 25 bu. per acre.
J. R. Free, Highland Co., O.

The Grains O'Gold wheat stood the winter O. K. It has grown of good height with very stiff straw and heads are well filled. It is the best that is around here.
Henry McGaughey, Knox Co., Ind.

We had a very hard winter on wheat but your Grains O'Gold stood it fine and grew rapidly in the spring, in my judgment it is the best wheat and was headed out before others started. The heads are well filled with plump grains 4 to 6 grains to a mesh. I estimate the yield at 30 to 35 bushels to the acre while I have no other variety that will go over 25 bu. to the acre. I do not regret the money spent for this wheat. It is the best I have.
Your pleased customer, Jacob Hentzel, St. Clair Co., Ill.

I like Grains O'Gold very well. It stands the winter all right.—Austin Burnett, Bedford Co., Va.

I ordered 10 bushels Grains O'Gold. The wheat was delayed in transit and was sowed very late. The winter was very bad on wheat and much of it was winter killed. Notwithstanding all this it made very vigorous growth and is the best crop in this section. Grains O'Gold is a fine wheat. Not harvested yet.—W. H. Jordan, Daviess Co., Ky.

The Grains O'Gold wheat I bought of you last fall is a splendid wheat. It is filled beter than other kinds. Not threshed yet.—J. O. Burke, Culpeper Co., Va.

Grains O'Gold wheat stood the winter fully as well or better than others. In strong growth it excells other smooth varieties by ten per cent while we estimate the yield will be 20 per cent greater than any other variety we have.
Very truly yours, J. T. Higgins, Shelby Co., Ind.

Grains O'Gold is by far the best wheat and will yield one fifth more than any other kinds raised around here. ———Somerset, Ky.

From one years experience with Grains O'Gold wheat we can express great satisfaction with it. The wheat has the greatest recuperative powers after a hard winter of any wheat we know of. It will make a remarkably good yield.
J. B., Decatur Co., Ind.

The supply of this year is very limited. We believe that it will not last through the seed selling season. This is a case that suggests prompt orders so if you want to be sure of getting some GRAINS O'GOLD wheat this year don't waste any time in engaging what you want. If not convenient to make full remittance send one-fourth with the order and the balance when you want the shipment made, or pay the balance when the wheat arrives.

PRICE FOR 1910—We will send one pound by mail postpaid for 30c or 4 pounds for $1.00. By freight or express ¼ bushel, $1.00; ½ bushel, $1.50; 1 bushel, $2.50; per bag of 2½ bu., $5.50; 5 bushels or more at $2.00 per bushel.

HOW TO ORDER

Send remittance with order, or we will ship to responsible parties payable on arrival and subject to examination if one-fourth is sent to guarantee good faith.

The O. K. Seed Store has been headquarters for the best varieties of Winter Wheat for over 30 years. We sell more Winter Seed Wheat than any other seed house. Every reader of this paper can, with care and good seed, raise crops like those reported above. We refer to any bank or business house in Indianapolis. Central location. Low freight rates. Prompt shipments. Circulars free.

O. K. SEED STORE, DEPT. A., Indianapolis, Ind.

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, SEPTEMBER 1, 1910 | Number 17

IS IT SLAVERY?

"We are suffering today under the curse of industrial and economic slavery," says a writer on conditions in this country.

* * * * *

The farmers are the first owners of what the whole world lives upon. If they, for a single year, for a single season, refuse to sell or surrender that ownership, the world that are not farmers would be on starvation and riot would probably take foodstuff as hungry hogs fight over an accidental ear of corn. People with that power can not be enslaved. They may sleep upon their rights. and hide their power in individual storage for a time, but the power is there and dare not be ignored. * * * * *

(See Editorial on Page 3.)

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

IF YOU ARE GOING TO TEXAS

Investigate the Famous O'Connor Ranch First

IF YOU ARE NOT GOING TO TEXAS

Perhaps You Will Change Your Mind and Decide to Go After You Investigate Our Proposition

One of the strongest testimonials we can give is the fact that two of the head Ranchmen who have lived here for years have purchased farms. One 320 acres and the other 160 acres. Read what one writes:

"For 14 years I have lived on the O'Connor Ranch. If your company has decided to sell, I hope you will cut it up and sell to small farmers so they can enjoy a 'life worth living,' as I have done these many years. The land is rich and will grow anything planted. I know it will grow cotton, corn, oranges and garden truck. My family never knew sickness here. I want to be known as the first settler on the ranch. My family wouldn't leave here if I wanted to."—W. B. Garner. (Bought 320 acres).

This is the best land proposition it has been my good fortune to become acquainted with. And I am familiar with every part of the United States. We offer settlers and investors so much here and I am so enthusiastic about it I am afraid my readers will think it is "too good to be true." But it isn't. Read some facts:

We have at last secured the famous old O'Connor ranch consisting of 70,000 acres and located in Calhoun County, Texas. This is all level, rich land ready to plow. No stumps, no "clearing" to do. Drive on and begin productive work.

The soil is naturally rich in fertility. No fertilizer needed. This ranch has long been favorably known for its fine cattle. For years the luxurious grasses long nourished herds of cattle and the soil has been growing richer and richer.

The tract borders the Gulf of Mexico and cool sea breezes continually blow over the land. No hot summers—no cold winters. Ideal as a healthful place to live. There has never been a tidal wave and never can be as Matagorda Island runs the entire length of our property and protects it in every way.

The inter-costal canal is in operation right by the ranch and will connect with Port O'Connor (on the ranch) making it a port for sea going vessels.

A railroad (the Frisco system) runs the entire length of the Ranch which is 18 miles long. You don't have to wait for the railroad. It is here and trains are in regular operation every day. Do you realize what this means? We have the road built—it isn't promised—it **IS**. Every acre within six miles of the railroad. You may buy land on the road, half a mile away, or any where you want it.

Calhoun County, Texas, and the O'Connor Ranch in particular, will grow all staple crops like, Cotton, Corn, Oats, Alfalfa, Cane, Cow Peas, Broom Corn, Kaffir Corn, Sorghum, etc. It will produce the finest Potatoes, Tomatoes, Cabbage, Cauliflower, Onions, Beans, Peas and other truck. We ship to Northern markets in February, March, April and get highest prices. Something growing every month. Work out doors the year 'round. No coal bills.

We produce finer watermelons than Georgia; better Cantaloupes than Colorado; onions equal to Bermuda. Better than California—nearer to market by 1200 miles and weeks earlier. Land here costs a fraction of what it costs in California.

- ☞ RAILROAD OPERATING DAILY THRU OUR LAND
- ☞ PORT O'CONNOR ON OUR LAND IS THE KEYSTONE TO THE GULF
- ☞ $40,000 NEW HOTEL, LA SALLE
- ☞ $20,000 WATER PAVILLION
- ☞ PRICES LOWER THAN LAND AROUND
- ☞ WE ARE LAND OWNERS—NOT LAND SPECULATORS
- ☞ GROW ALL FRUITS, VEGETABLES AND GENERAL CROPS
- ☞ INVESTIGATE—THAT'S ALL WE ASK

There are now 23 flowing (artesian) wells on our Ranch, from 400 to 500 feet deep. Good drinking water 30 feet deep. Rainfall is ample for all crops—about 38 inches annually. Irrigation not needed. No floods. The temperature is cooler than Central States in summer. And we have no winter.

Port O'Connor is the terminus of the railroad and connects with ocean vessels. Now has the new modern Hotel "La Salle" built at a cost of $40,000. Also a pavillion that cost $20,000. Port O'Connor has its own water works, 2 miles of cement side-walks and 22 miles of graded streets. Watch it grow!

Town lots for sale. This is naturally the finest and finest equipt resort on the Gulf Coast.

As would be naturally supposed from its location, our settlers here find the best kind of fishing and hunting opportunities. The Gulf, lakes and streams abound in fish of the finest kind. Tarpon—the silver king—often weigh over 100 pounds each. Ducks and geese innumerable. It is a sportsman's paradise.

What would land be worth with all of these advantages? Remember—rich virgin soil—railroad right thru it—a thriving sea-port town on it. Compare it with what other land sells for. Others all around us are selling land no better and away from town and railroad at higher prices. We are not land speculators. We are owners. This land is for sale at a bargain price. Prices from $25.00 to $30 per acre for farms of 40 acres or more, depending on location and soil. A moderate cash payment and terms to suit.

We expect the O'Connor Ranch to appeal to the best farmers everywhere who want to better their condition. There are larger opportunities here than anywhere else. Now is the time to buy. No experiment. Bound to increase in value quickly. Get in on the opening. Buy now.

Nothing will please me better than to have you go and look at our land. You will find it exactly as represented. I will "show you" if given the opportunity. And if you don't want to buy, don't go down because you can't resist the opportunity here presented.

Send for full particulars, printed matter, booklets, etc.

OPPORTUNITY IS KNOCKING—it's up to you.

Calhoun County Cattle Co.

C. H. LEE, Mgr.
Indianapolis Office

Indianapolis, Ind.

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

Re-entered as a Semi-Monthly publication as second-class matter, January 20, 1908, at the Post-office at Indianapolis, Ind., under the act of Congress of March 3, 1879.

Volume XIII | INDIANAPOLIS, INDIANA, SEPTEMBER 1, 1910 | Number 17

A Period of Good Opportunities for Farmers

THIS is a period of good opportunities for farmers. We have often said that a farmer who cannot get ahead now could not get ahead at any time or in any business. It is true, in these days of half a million profits a year, and of ten thousand to fifty thousand a year salaries, the farmer does not get his share of the wealth he creates. That is admitted by all who have impartially studied the question. But to continually read the farmers a hard luck story is as unreasonable as it is to charge them with the much talked of high cost of living.

To be equitable we must be fair. The last few years have witnessed a marked improvement in the prices of farm priducts. Senator Reed Smoot of Utah, after an elaborate study of these prices, presented to the Senate the following figures as the average prices for March, 1906, and March, 1910, of the products named:

Corn, per bushel, 28½ cents; 62½ cents. Wheat, per bushel, 63 cents; $1.18. Cotton, per pound, 8 cents; 15 cents. Oats, per bushel, 19 cents; 44 cents. Rye, per bushel, 36 cents; 79 cents. Barley, per bushel, 30 cents; 69 cents. Timothy, hay, per ton $11; $17. Potatoes, per bushel, 18½ cents; 32 cents. Cattle, choice to extra steers, per 100 pounds, $4.25; $8.19. Hogs, heavy, per 100 pounds, $3.90; $10.60. Butter, dairy, per pound, nearly 20 cents; 31 cents. Eggs, per dozen, 12½ cents; 26 cents. The first price given for each article is the average price for March, 1906; the second is the average price for March, 1910. Of course, years could be selected that would not show the real situation—the comparison of an abnormally low year; and we think that is what was done in this case. Still, it must be admitted, and we are glad to admit it, that prices for farm products are better than they were some years ago. Whether as much better as the above figures indicate does not matter.

But another factor enters the problem before we can know how much better off the farmer is. The farmer must buy as well as sell. He must pay prices as well as receive prices. If the prices he pays have increased in the same ratio as have the prices he receives, he is no better off than before, except as to the amount he sells more than he buys.

Senator Smoot argues that the prices the farmers pay have not increased in proportion to the prices he receives, and he shows it by comparing the purchasable power of various farm products in commodities not farm products, of which the farmers are supposed to be purchasers. Taking the same two years for comparison, Mr. Smoot says, ten bushels of corn in March, 1896, equalled in value or would purchase 21 pounds of Rio coffee. In March, 1910, ten bushels of corn would purchase 70 pounds of Rio coffee. Ten bushels of corn in March, 1896, would purchase only 8 gallons of New Orleans molasses; in March, 1910, it would purchase 16 gallons. Ten bushels of corn in March, 1896, would purchase 59 pounds of sugar; in March, 1910, it would purchase 131 pounds of sugar. In March, 1896, ten bushels of corn equalled in value at the price, 51 yards of brown sheeting; in March, 1910, it equalled 80 yards of brown sheeting. In March, 1896, ten bushels of corn would pay for 14 yards of cashmere all-wool dress goods; in March, 1910, ten bushels of corn would pay for 16 yards of the same quality of goods. Ten bushels of corn in March, 1896, would pay for 22 bushels of anthracite coal; in March, 1910, it would pay for 35 bushels. In March, 1896, ten bushels of corn would pay for 25 gallons of refined petroleum or coal oil; in March, 1910, it would pay for 53 gallons. Ten bushels of corn in March, 1896, would buy 95 pounds of wire nails; in March, 1910 it would buy 337 pounds of wire nails.

All of these figures show decidedly in favor of the farmer, and we need not pursue them further. Senator Smoot takes up not only corn, but wheat, coton, oats, rye, barley, hay, and other products, and shows similar results.

There is, however, one unfortunate element in the Senator's calculations. He compares the farm or retail prices of the farm products with the wholesale prices of the goods. This would naturally exaggerate the facts as to the farmers' gains; and since recent investigations all show that the retail prices are the ones that have made the greatest bounds upward, and, by piling on excessive profits, have destroyed the equilibrium of trade, it may be that if we had the real prices farmers are compelled to pay there would be a very different showing.

But we repeat that this is a period of good opportunities for farmers. There is a demand for all kinds of stuff, and an apparent shortage in many products. The only lack of profits and glut of markets is the result of unwise shipments. If we had equitably controlled marketing and wise distribution, there need never be an unprofitable sale, and consumers need never pay excessive prices. It is easy to construct such a system, and no further argument is needed to prove its benefits.

Is It Slavery?

"WE are suffering to-day under the curse of industrial and economic slavery," says a writer on civil conditions in this country. The expression is inexcusably exaggerated one, used by agitators who do not understand the American people or country. Many of our greatest industries and most necessary supplies are monopolized, and our finances are largely controlled by favored institutions, but it is not slavery.

A single element of our population could, in less than a decade, correct everyone of these monopolistic evils, wipe out selfishness and greed, or, at least the evil manipulation of them in public affairs, and compel equity in all the business transactions of life. Give into the hands of any class the undisputed ownership of the necessaries of life, and it is foolish to talk of enslaving that class, or of monopolizing the things the people must have in order to live.

The farmers are the first owners of what the whole world lives upon. If they for a single year, for a single season, refused to sell or surrender that ownership, the world that are not farmers would be on starvation, and riot would take foodstuffs as hungry hogs fight over an accidental ear of corn. People with that power cannot be enslaved. They may sleep upon their rights, and hide their power in individual storage, but the power is there, and dare not be ignored.

The danger is not in economic and industrial slavery, but in partisan slavery. Every monopolistic evil is entrenched in party, has a hold upon party which party leaders dare not attempt to break. There is much bluster, much loud talk and show of doing things, but the grasp is never loosened and will not be so long as monopoly controls winning votes.

The greatest anxiety party leaders have to-day, the most serious subject considered in their secret councils, and the heaviest burden that rests upon them, is how to hold the wronged and discontented people and yet not break with those people's conceded oppressors. The subtile web woven around the voters, a web of prejudice and greater devotion to name and tradition than to real principle or purpose, enables them to do it. Without that strange spell upon the masses certain conditions now universally deplored (on paper) could not exist through a single campaign.

The proper arousing and organizing of the class that has the power, the breaking of the magic spell, will bring the remedy without so much of a general or business disturbance as a ripple in the breeze. It is silly to talk of slavery to a people that cannot be enslaved.

TO CONTROL THE BUTTER MARKET

THOSE who have been conversant with the butter market for years now characterize the situation as "peculiar and perplexing;" they cannot understand it. There is an element in it somewhere, or an nfluence affecting it, that never entered into it before. The papers tell us that butter is following into cold storage at a rate never known before, and at such prices as were never before paid for butter for that purpose. Those who have figured on prices that have been paid this summer declare that not a pound of butter can come out of cold storage next year that has cost less than 30 cents a pound. To store butter at that price is taking a risk that was never taken before, and those who are taking that risk know what they are doing; their purpose evidently is to absorb the supply and control the market. And this means not only the present supply but the future supply so that the current product cannot come in competition with the stored article.

This indicates continued high prices, and since the cold storage plants are owned and controlled principally by the packing houses, there can be no mistake in assuming that the packing houses are behind the scheme and that there is more in it than anticipated profits on the stored butter.

The packing houses are the manufacturers of olemargarine, which is a cheap substitute for butter, and which, even at much lower prices carries a greater profit than butter. If this article could be sold indiscriminately in competition with butter it would drive real butter out of the market and cripple, if not ultimately destroy the dairy business. To protect that great business, an almost universal business of the farming people, laws were enacted to prevent the sale of spurious butter in competiton with the genuine. Not only were these laws to protect the real butter makers, but they were to protect the consumers also. Under he law consumers may buy oleo if they wish, but they need not be decieved into buying it for real butter. The manufacturers of oleo have tried to induce congress to repeal or modify this law, but so far congress has not dared to disregard the farmers and dairy people. But suppose the price of real butter should get so high, even for a season, as to make its purchase practically impossible. The high price would be charged to the farmers and dairymen, and they would be held responsible for it as they have been for the high price of meat and bread. Thus would a sentiment be created in favor of the repeal of the oleomargarine law—the surest way to obtain the repeal of the law. That law repealed, oleomargarine would have the right of way. It would thenceforth be colored like butter, the public would be decieved into using it, real butter would be discounted, the dairy interests destroyed, and another monopoly added to the packing house trust. This may be the hidden purpose of the present gathering in of the butter.

There may be yet another purpose in this evident intention on the part of somebody to control the butter market. If the packers had unrestricted sale of oleomargarine as they would have if the tax on oleomargarine were taken off, there would still be independent creameries, and farm butter, perhaps, that would be in the way of their butter and butterine monopoly. The cheapest way to to get rid of these would be to starve them out. If these monopolists had possession of of the butter supply, even though they acquired that possession at high prices, they could well afford to knock prices down for the season, below the profit line, and drive all the independent concerns out of business. They would then have a monopoly in its fullness, and thereafter their profits need be measured only by their gred.

We mention these things only to show how easy it is to work schemes on the people, and how necessary it is for the people to be constantly on the look out.

And if these things could be done with butter, it could be done just as easily with eggs, poultry and fruits. If farmers could only realize how important it is for them to be organized, there certainly would not be such indifference to organization, or such fruitless running after organization without purpose or efficiency.

A Waste of Land

A NATION cannot exist without land for a basis. A nation must have people, and people must have homes, and homes cannot be built except on land. The land may be owned by the nation, or it may be owned by citizens. There are within the boundary lines of the United States and its possessions, approximately three million square miles of land. This land says the Rev. Charles Stelzle, cost the nation $4.70 an acre. Of course, it primarily belonged to the nation, but citizens and corporations have, in various ways, been permitted to acquire title to it, until now it has practically all been absorbed, so that new citizens, like the lowly Nazarine, have not where to lay their heads.

A great deal is now being said about the conservation of the country's natural resources, and differences on that subject have been consdered sufficient to create and justify party factions. But the waste of land, or more strictly speaking, the surrender of its ownership for purposes other than the founding of homes for the people, has been more reckless, more inexcusable, more criminal in the light of the needs of the American people.

Mr. Stelzle is authority for the statement that the Pacific railroads alone were permitted to acquire one-twentieth of the entire area, and other railroad companies in various parts of the country, have been given great acreages, not for something given the government or the people in return, but to aid and encourage them to accomplish some great work for THEMSELVES. The dealings of these railroads with Congress, Mr. Stelzle declares, have been notoriously scandalous.

Next to the railroads in these palpable land thefts, thefts that have been winked at or invited by the Congress and administrations, are the land grabbers and ranchmen, who have appropriated great tracts of land, which, says Mr. Stelzle, they are still holding unlawfully. One individual become the owner, he says, of fourteen million five hundred and thirty-nine thousand (14,539,000) acres of the richest land in California and Oregon. This is an area three times as large as the State of New Jersey, which affords homes for a million and a half of people. And this is only one case of Western land grabbing. As official evidence of how these vast tracts, so badly needed for home sites for the people, were acquired, we may quote from the Public Lands Commission appointed a few years ago by President Roosevelt, which reported that "almost without exception collusion or evasion of the letter and the spirit of the law was involved" in their acquirement.

What these things mean to the country and the people, may be, at least in a small degree understood, when we consider the increase of land values as the demand for homes multiplies. It has been said that every citizen added to the nation, whether by immigration or birth, adds $400 to the value of American lands. Some place the figures even higher, as the need for homes becomes intensified.

An example may be taken to illustrate this. Less than a hundred years ago the ancestors of the Astor family invested a few thousand dollars in farming lands lying about the outskirts of a comparatively small town, but what is now the City of New York. In less than fifty years, five million people demanded homes on Manhattan Island, and the Astor estate is worth $550,000,000, over half a billion.

This is not to be classed with the land grabs. It is mentioned merely to illustrate the increase in land values. But Congress will some day have to account to the people for squandering the public lands.

Unfair Marketing Practices

Hurt Both Producers and Cousumers

PROF. L. H. Bailey, of the Country Life Commission, has discovered what all must find who honestly investigate present conditions. "To make farming profitable," says Prof. Bailey, "is no longer a question merely of raising more produce." And yet all there is in agricultural teaching is to raise more stuff. This was Prof. Bailey's teaching also until he studied the question. Now it is very different. He now says:

"But the farmer does not get his share of the proceeds of his labor, notwithstanding the increase in the price of farm products. A merchant in a small city may want as high as 20 per cent commission to sell produce, and then retain the privilege of returning to the grower all the product that spoils on his hands or that he fails to sell; he invests little capital, takes no risk, and makes more than the man who invests money in the land, prepares the crops months in advance, and assumes every risk from seed time to the dinner table."

"Now, I recognize the service of the middleman to society," continues Prof. Bailey, "but there is hardship and injustice to the producer in much of the present system, and we are under obligation as public men, to see that these discriminations are removed, whether found in the middleman trade hitself, in the rates of express companies and other carriers, or in stock-market gambling."

Declaring that the abuses must be checked and the middleman must be brought under some means of control, Prof. Bailey continues:

"Now, it is the business of every government to protect its people. We are beginning to protect the people from the overlording of railroads, from unfair combinations in trade and from the tyranny of organized politicians. It is just as much the business of the government to protect its people from the rapacity of dishonest and tyrannous middlemen.

I am glad to see the farmers' organizations attacking the middleman abuses, but no organization can permanently handle the question unless the organization is all the people. The present agitation ought to compel Congress to pass a law to correct the evils, and the organizations then should keep such touch on the situation that the laws will be enforced."

Prof. Bailey favors law created commissions, but these cannot be expected to command much confidence until results justify that confidence. We believe the masses of the people are not only just but lenient, and they are conservative; but when laws that seem to have a purpose go on the books and remain there without any effect on the abuses at which they are aimed, and when prosecution after prosecution is begun to end in nothing where results should be reached, and when investigation after investigation fails to discover confessed wrong doing, and commission after commission makes no record except on the pay roll, it is not to be wondered at that the people doubt all these methods.

Yet we are glad Prof. Bailey speaks so plainly. The arousing of public men will help to find the solution, and then it will be found that producers and consumers are both interested, and that an equitable readjustment of trade, together with an equitable division of profits, will benefit all, unless we except the over greedy.

INCONSISTENCY OF FOLKS

EVERYBODY knows how easy it is to pull up a sprout that has just appeared above ground and how hard it is to accomplish the same thing after the sprout has been allowed a few years to grow and make roots. Not many years ago the people were urged to unite to uproot some evils that were just then appearing above the commercial surface. Those that were asked to take action were told plainly what the result of growth would be, but the people refused to listen. In fact, they gave ear to the evil and ridiculed its oponents. Since then the masses have taken up the cry, and every political party has pledged reform in these very lines. But the evils have had time to grow and entrench themselves until they are now able to defy parties, people and government.

Such things are constantly repeating themselves. We are urging farmers to unite in the management of their business and the control of their markets, as well as to overthrow market evils that have wronged them during all the later years. But it is still "a little more sleep, a litle more slumber." So long as the evils are bearable they will be borne, and after that they may be too strong to uproot.

MAKING PUBLIC SENTIMENT

WHERE is an innovation in sentiment building in national affairs. At least some of the departments and bureaus have press agents whose business it is to prepare matter for the press. These articles go out free, and are given to the papers that will publish them, or are friendly to the ideas and undertakings sought to be made popular. These articles go out as unbiased Washington news, but they are not that. They may be true or they may not, according to the needs of what is to be boosted. If true, they are one-sided. Nothing is said but what is favorable to the man or thing to be advanced. The statements sent out are often misleading, and cause the people to favor things they would oppose if they had all the facts.

And these one-sided news bureaus are maintained at public expense. Their object is not so much the better information of the people as it is to manufacture sentiment in favor of certain things; and in the hands of not over conscious managers it may become dangerous. It is better to have the news full, free and unbiased. Let the people form their opinions from the whole facts.

DEPLORABLE MARKET CONDITIONS

THE problem before the American farmer now is a better marketing system, and we are glad the press generally is being aroused to this fact. A recent issue of Farm and Stock says editorially: "To-day any man may learn how to successfully farm, or how to successfully grow truck, or how to produce fruit, but it may be that after his crop is harvested his most difficult problem comes in disposing of it at a profitable price."

This, as we have repeatedly said, is partly owing to changed conditions and partly to the modern greed that has crept in between the producers and consumers. Old people remember when a bountiful crop in a locality was followed by a low price, without regard to what might or might not have been produced elsewhere. Now local production does not so much affect the market. Transporation has annihilated distance, and evrybody produces in competition with the world. This makes marketing and price the real problem; and that in turn hinges largely on distribution. After speaking of the marketing of live stock and other products that must go through a process of preparation on their way to the table, Farm and Stock says:

"But in the case of vegetables or fruits, they are ready for the consumer the minute they leave the farm. Every hand that they pass through, or establishment, from the time of leaving the farm till they reach the consumer, is in some degree a hindrance and an obstruction between the producer and consumer. It may be in some cases a necessary evil, but at the present time modern marketing conditions are deplorable. We hear the great cities crying out for more farm products and paying as at the present time, prices that are beyond the reach of the average city dwellers, and yet many crops go to waste every season and whole car-lot shipments are frequently disposed of at actual loss to the shippers."

Even the handlers and middlemen will not deny that. It is seen and felt every season. The trouble is glutted markets; too much here and not enough yonder; a surplus at this point and a scarcity at the other. The remedy is a marketing system whose essential element is a knowledge of the supply and demand—knowing where there is a shortage, where there is enough, and where there is too much—and directing the shipments to meet the needs. Thus may all be easily supplied at steady and reasonable prices, prices profitable to the producers, because all will be taken and no losses are to be provided for. Such a system may seem complicated to those who know nothing but the present hit or miss way, but it is no more complicated than hundreds of commercial problems that have been solved and are now as familiar as going to the mill on horseback used to be. Why do not the press and the people unite to aid in establishing such a system, and see supply and demand meet as they never met before?

WILL IT WORK?



Farmer and Mr. Nellson, representative of the "People's" Universal Trading Exchange and Farmers Union Flying Machine Company."

Nellson—Take a flyer? It'll only cost you $3.75 and whatever we chose to assess against you in the future.

Farmer—Will she fly?

Nellson—Bless you, how should I know! You pay your money and take your chance. You raise your own wind and take your own tumbles. We need the money.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

MINIMUM PRICES

WHEAT, No. 2 red, basis of Chicago market $1.20.

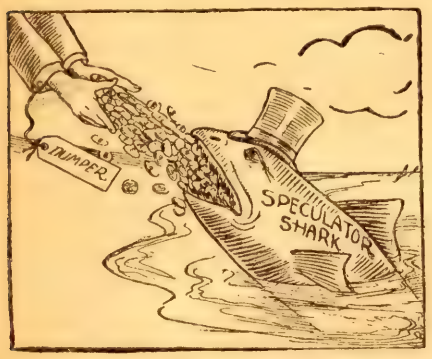
OATS, No. 2 white, basis of Chicago market .47.

Minimum prices on other crops will be announced later.

COMPARATIVE RECEIPTS OF GRAIN

(August 6, 1910)

	Bushels.
Western wheat rec'ts today	1,197,000
Western wheat rec'ts yr ago	790,000
Western corn rec'ts today	434,000
Western corn rec'ts yr ago	407,000
Western oat rec'ts today	1,458,000
Western oat rec'ts yr ago	972,000



THE heading to the grain market report of a Chicago paper, of August 20, was: "Crushed By Receipts."

The Visible Supply increase of wheat and oats since our last report, over 10,000,000 bushels for the former and 3,500,000 for the latter prove the statement literally true. It is not to be wondered at that prices are lower. There never was a time when prices could withstand such an onslaught by the dumpers. As a matter of fact the dumpers have fed the speculator shark to gorging and the effect will be seen in the prices for a long time.

But our Equity marketers need not be apprehensive. This is not a season when two bushels were raised where only one grew before. On the contrary the 1910 grain crops will not equal, in the aggregate, some former crops that were consumed and all that farmers need to do is to set their mind on a fair price, hold for it and ask it. As all the grain will be needed before other crops will be raised, the price will be paid.

It will be interesting to note the difference between prices of wheat at harvest time and some months later as shown by the following table:

Aug. '06, 69⅛c; May '07 $1.06; gain, 36⅞c
Aug. '07, 81⅞c; May '08 $1.11; gain, 29⅛c
Aug. '08, 89¾c; June '09 $1.60; gain 70¼c
Aug. '09, 99¼c; May '10 $1.17¼; gain, 18c

Very general rains over the West have improved the crop situation; corn being particularly benefitted. While the damage to summer crops has not all been overcome the prospects have been much improved. Spring wheat threshing is under way and the yield, while not a full one, is better than was generally expected. The marketing of winter wheat and oats has been very free.

The hay crop is estimated by the goverment at about 60,000,000 tons. The crop last year was 64,938,000 tons; the year before (1908) 70,798,000 tons; the largest ever raised. If the final estimate does not advance the figures, 60,000,000 tons, this will be the smallest crop in eight years, but one. The exception is 1906, with 57,146,000 tons. Prices are good with every prospect of going higher. Cotton crop prospects are improved.

Prices have responded to the increase in visible supply. Wheat is about 5c lower than two weeks before, corn about unchanged and oats about 3c lower. Spring wheat is down 8 to 10c and we expect the price to be put lower while the dumpers throw their wheat over.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supply of wheat in the United States, by Bradstreets report, on August 13th, was 26,526,000 bushels. That was 10,251,000 bushels more than two weeks before, 11,616,000 bushels more than a year before and 1,213,000 more than two years before. A year ago the increase in the same period was 2,800,000 bushels.

The visible supply of corn on the same date was 6,151,000 bushels. That was 1,361,000 bu. less than two weeks before, 2,027,000 bu. more than a year before and 2,093,000 bu. more than two years before. A year ago corn decreased 700,000 bushels in the corresponding two weeks.

The visible supply of oats on the same date was 8,652,000 bu. That was 3,528,000 bushels more than two weeks before, 4,602,000 bu. more than a year before and 4,037,000 more than two years before. During the corresponding two weeks period a year ago oats decreased 400,000 bu.

The visible supply of barley on the same date was 1,164,000 bushels. That is 312,000 bushels less than two weeks before, 570,000 bushels more than a year before and 83,000 bushels more than two years before. During the corresponding two weeks period a year ago barley decreased 300,000 bushels.

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	*Aug.* 5, 1910	*July* 29, 1910	*July* 22, 1910
American	951,062	1,022,580	1,037,720
Other kinds	845,000	893,000	929,000
Total	1,796,062	1,915,580	1,966,720

The visible supply decreased 115,518 bales since our last report.

Price—New York, Aug. 20: Midlings upland 15.95c; midlings gulf 16.20c. The price is 5c per cwt. lower than two weeks before.

CLOSING PRICES OF CASH GRAIN

August 20, 1910.

CHICAGO—Wheat, No. 2 red, 99¾c@$1.00¼; two weeks before, $1.03¾@1.05½; last year, $1.03½@1.07½. Corn, No. 2 white, 62¼@62½, two weeks before, 65@65½c; last year, 69@72c. Oats, No. 2 white, 35@35½c; two weeks before, 38@38½c; last year, 37c.

ST.LOUIS—Wheat No. 2 red, $1.00@1.03; two weeks before, $1.02@1.04. Corn, No. 2 white 61½@62½c; two weeks before, 65½c. Oats, 33½@34½c; two weeks before, 36½@38c.

KANSAS CITY—Wheat, No. 2 red, 99c@$1.00; two weeks before, $1.00½@1.01. No. 2 hard, 97c@$1.01; two weeks before, 98c@$1.04. Corn, No. 2 white, 62½@62¾c; two weeks before, 65@65½c. Oats, No. 2 white, 35@36c; two weeks before, 35@37c.

CINCINNATI—Wheat, No. 2 red, 98c@$1.00; two weeks before, $1.00@1.02. Corn, No. 2 white, 65@65½c; two weeks before, 66@66½c. Oats, 32½@33c; two weeks before, 36@36½c.

NEW YORK—Wheat, No. 2 red, $1.06; two weeks before————. Corn, No. 2 white, 71c; two weeks before————. Oats, new, No. 2 white, 41c; two weeks before,————.

MINNEAPOLIS—Wheat No. 1 hard spring, new, $1.13¾; two weeks before, $1.24. No. 1 Northern, $1.11¼@1.13¼; two weeks before, $1.18@1.23.

FUTURE GRAIN PRICES

Chicago grain futures closing August 20, with comparisons:

WHEAT—Sept. 98⅝c; Dec. $1.02⅝; May, $1.07⅝. Two weeks before, $1.02¼, $1.05⅛ and 1.09¼, respectively.

CORN—Sept. 60⅛c; Dec. 57¾c; May, 59⅞c. Two weeks before, 68⅞c, 59⅞c and 62½c, respectively.

OATS—Sept. 35c; Dec. 36⅛c; May, 39⅝c. Two weeks before, 36⅞c, 38¼c and 40⅞c, respectively.

PRODUCE MARKET

Chicago, August 20, 1910.

POTATOES—Weak and lower. The only trading reported to-day was at 80c for choice Eastern Cobblers in bulk. There were sales late yesterday of sacked stock at 88c. On account of a heavy rain this morning only a few buyers appeared on the track. The receipts were small—about 15 cars.

Sales reported were: 2 cars of Eastern Cobblers in bulk at 80c, 3 cars do. sacked at 88c.

Per bu. New Jersey, Delaware or Maryland Cobblers, fancy ..... $82@..
A occasional car a shade higher
Good to choice ..... 78@80
Common or heated less.
Sacked, Eastern Cobblers, choice to fancy ..... 85@88
Kentucky, white stock ..... 75@..

The price is 7 to 10 cents higher than two weeks before.

HAY—Offerings of Prairie Hay larger and demand fair. Market steady. Timothy Hay scarce and firm. Demand good.

Choice Timothy Hay, old... $21.00@22.00
No. 1 Timothy ..... 20.00@21.00
No. 2 Timothy ..... 19.00@20.00
No. 3 Timothy ..... 17.50@18.50
Kansas and Oklahoma Prairie, choice ..... 14.50@15.00

The price is about $1.00 a ton higher on old timothy and about 50c a ton lower on Prairie.

BROOM CORN—Trade is quiet and slow. Feeling easy.

Per ton, self-working ....$160.00@200.00
Imported, Hungarian .... 100.00@120.00

Price the same as two weeks before.

BEANS—The market is ruling firm and for white Beans prices were again advanced. The demand is good and receipts small. Not many old beans on sale. The demand is confined to supplying immediate wants. What few Beans remain in the country are coming forward slowly. For lots to arrive prices are about 5c per bu. less than the following quotations:

Pea Beans—
Hand picked, choice.....$2.70@2.72
Prime ..... 2.65@2.67
Mediums nominally about the same as Pea Beans.
Red Kidney, per bu. good....$4.25@4.50
Brown Swedish, choice ..... 3.25@3.50
Limas, California, per 100 lbs.. 5.25@.....

The price of Pea Beans is 20@25c higher than two weeks before; Red Kidneys 25@50c higher and Limas 15c per cwt. lower.

EGGS—The receipts at Chicago (not including through shipments for the days mentioned were as follows:

	This week. Cases.	Last week. Cases.	Lastyear. Cases.
Monday	9,631	7,462	8,827
Tuesday	8,320	12,090	9,248
Wednesday ..	7,468	14,016	6909
Thursday	8,530	6,389	7,764
Friday	8,434	8,761	11,181
Saturday	7,242	8,260	8,109
Total	49,625	56,978	52,038

Receipts April1, 1910, to Aug. 20, 1910, 2,289,622 cases.

Receipts April 1, 1909, to Aug. 20, 1910, 2,142,866 cases.

Receipts April 1, 1908 to Aug. 22, 1908, 2,110,829 cases.

Conditions continue favorable to holders' interests. There is a good demand for all strictly fresh Eggs, and the offerings of realy desirable stocks are small. A large percentage of the receipts, are Eggs showing heat and are of poor quality, and these are dull.

The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 13@16½c, depending on qua'ity. Ordinary Firsts quotable at 17c. "Firsts" quotable 19c per dozen. "Prime Firsts" quoted at 21c. Dirties quotable 9@11c per dozen, according to quality.

The price is about 3c per dozen higher than two weeks ago.

For additional markets see page 17.

MISCELLANEOUS

The government puts the farm price of Cotton at the heretofore unheard of price of 14.3 cents against 11.3 a year before. That spells Southern progress.

Potato prices have advanced about 50 per cent. in one month. Now for organization to maintain the advance.

We have the explanation of heavy marketing of grain since harvest in the fact that the price of old grain went down before the new harvest, the first time in several years. Some farmers are easily stampeded. They will be sorry later.

Without help from Uncle Sam fruitgrowers in some sections of Western Michigan are preparing to irrigate their land.

Hereafter vegetables will be sold by weight on the Cleveland market and the following schedule of weights in bushel bixes was agreed upon: Potatoes, 50lbs.; beets, 50; carrots, 50; parsnips, 50; turnips, 50; onions, 45; spinach, 12½; peas, 25; beans, 25; leaf lettuce, 15; kale, 12½; beet greens, 12½; tomatoes, 50.

A dispatch from Norfolk Va., is to the effect that nobody profited by the big crop of potatoes in that section, except the barrel makers and fertilizer manufacturers. One year ago the potatoes brought $2,25 a barrel, this season they are selling for an average of about $1,15. Local co-operation cannot be much better than individual selling.

Another dispatch said:

"Forty-five per cent of the Irish potato crop in the large trucking belt adjacent to Norfolk is still in the ground, and farmers said today will, for the most part, have to rot unless present low prices in the Northern markets improve so as to justify digging and shipping."

New York State has a law that defines a standard barrel of potatoes as, head diameter 17⅛ inches; length of stave 28½ inches; circumference of bulge not less than 65 inches. An investigation by the Commissioner of Weights and Measures revealed the fact that there was not one standard barrel on the market and he was obliged to take some action. Potatoes may be sold in barrels of any kind, or other packages by weight and it is probable they will not be quoted by the barrel much longer. The Commissioner warned the commission men that when potatoes come in sacks the weight must be plainly marked on each package. Of course the same law applies all over the State.

One of the much needed laws that will probably be passed by the next congress will be a national standard package law.

W. N. White, an authority on apples, has made public the following estimate of the far West crop:

Colorado, west of Rockies, 4,000 cars; Colorado, east of Rockies, 1,500 cars; Washington 6,000 cars, California 6,000 cars, Oregon 2,000 cars, Idaho 1,200 cars, Utah 500 cars, New Mexico 400 cars, Montana 300 cars; total of 21,900 cars.

Last year the same sections produced 14,450 cars. So, if this estimate materializes in fact the increase will be over 50 per cent. As 600 boxes makes a carload it means 13,140,000 boxes, or nearly one box for each family in the country.

BULLETINS

U. S. DEPARTMENT OF AGRICULTURE, WASHINGTON—Bulletins No. 403, The Construction of Concrete Fence Posts; No. 82, Protection of Forests from Fire. Circulars: No. 58, Experiments on the Apple With Some New and Little Known Fungicides; No. 61, How to Kill and Bleed Poultry for Market.

ARIZONA, Tucson—Circular, No. 84, Timely Hints for Farmers; Twentieth Annual Report.

IDAHO, Moscow—Bulletin No. 3, Announcements for 1910-'11.

ILLINOIS, Urbana-Champaign—Bulletin No. 146, Alfalfa Hay vs. Timothy Hay and Alfalfa Hay vs. Bran for Dairy Cows. Circular of Information of the College of Agriculture.

INDIANA, Lafayette—Bulletins: No. 148, Commercial Fertilizers; No. 166, Helps for Teachers.

KANSAS, Manhattan—Circular No. 9, Rabies-Hydrophobia.

MAINE, Orono—Apple Tree Insects of Maine; Plant Diseases; Official Inspections of Feeding Stuffs; A Brief Historical Sketch of the Station.

MISSISSIPPI, Agriculture College—Bulletin No. 139, Boll Wevil in Mississippi.

MISSOURI, Columbia—Bulletin No. 87, Co-operative Variety Tests of Corn. Circulars: No. 42, The Seeding of Clover and Grasses; No. 41, Directions for Testing Milk on the Farm; No. 38, The Principals of Maintaining Soil Fertility; No. 39, The Seeding of Cow Peas; No. 40, The Seeding of Alfalfa.

NEBRASKA, Lincoln—Bulletins: Construction and Use of the Road Drag; No. 114, Spring Moisture in the Soil.

NORTH CAROLINA, West Raleigh—Bulletins: No. 206, Insects and Fungus Diseases of Apples and Pears; No 207, Hog Raising in Colorado.

OHIO—Wooster—Catalogue, Ohio State University. Circulars: No. 101, Illustrative Exhibits at State and County Fairs; No. 102, Spraying to Kill Weeds. Extension Bulletin No. 10, Meat.

OREGON — Corvalleis, — Catalogue for 1910-1911.

PENNSYLVANIA DEPARTMENT OF AGRICULTURE, Harrisburg—Zoological Bulletin Vol. VII, Nos. 11-12, Bee Keeping, Nursery Inspection, Index to Vol. VII.

SOUTH CAROLINA, Clemson College, P. O.—Catalogue for 1909-1910, and Announcement for 1910-1911. Bulletin No. 150, Farm Management for Controlling Field Crop Insects.

TENNESSEE, Knoxville,—Twenty-second Annual Report.

TEXAS, Austin—Year Book, 1909.

WASHINGTON, Pullman—Nineteenth Annual Report. Bulletins: No. 90, Forest Shade and Ornamental Trees in Washington; No. 92, Cherries in Washington; No. 91, Wheat and Flour Investigation; No. 89, The Hybrid Wheats.

WEST VIRGINIA, Morgantown—Bulletins: No. 126, Three Snout Beetles That Attack Apples; No. 128, Three Snout Beetles That Attack Nuts; No. 127, Spraying for the Coddling Moth.

WYOMING, Laramie—Bulletin No. 85, Feeding Experiments, 1909-'10.

MEETINGS

NATIONAL LAND AND IRRIGATION EXPOSITION, Pittsburg, Oct. 17th to 29. The features will include U. S. government exhibits and offerings from the emigration departments of many of the National railroad systems, Chambers of Commerce and Commerlial Clubs from all sections. There will be exhibits of farm products of all kinds, timber, implements of agriculture and samples of land.—Sidney Wire, Director of Pubicity, Pittsburg, Pa.

AMERICAN ROYAL LIVE STOCK SHOW, Kansas City Stock Yards, Oct. 10 to 15—F. M. Thompson, Sec., Nashua, Mo.

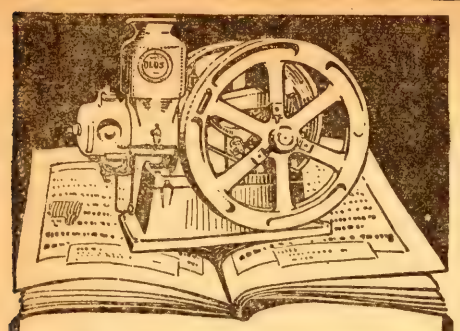
FIRST CANADIAN NATIONAL APPLE SHOW, Vancouvers, Canada, Oct. 31 to Nov. 5.—L. G. Monroe, Sec., Vancouvers.

NATIONAL GOOD ROADS CONVENTION, Oklahoma City, Okla. Will be held in connection with the Oklahoma Annual State Fair.—A. W. Keaud, Sec., Oklahoma, City.

NATIONAL CONSERVATION CONGRESS, St. Paul, Minn., Sept. 5 to 9th.—Thomas R. Shipp, Sec., St. Paul.

AMERICAN ASSOCIATION OF FARMERS INSTITUTE WORKERS, Washington, D. C., November 14-16. Also beginning on the 16th of November, the annual meeting of the Association of American Agricultural Colleges and Experiment Stations will be held at the same place.—John Hamilton, Washington.

FOURTH ANNUAL NATIONAL CORN EXPOSITION, Ohio Exposition Grounds, Columbus, Ohio.—Geo. T. Stevenson, Sec., Columbus.



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If a gasoline engine is worth buying, it is worth thinking about, worth studying into. The reasons an

Olds Gasoline Engine

will appeal to you are the same that have induced thousands of shrewd, practical farmers to look into the engine question carefully, to investigate the Olds and then select it because it was exactly what they needed, and the price was right for what they got.

Send for our new catalogue; it is worth its weight in gold to you.

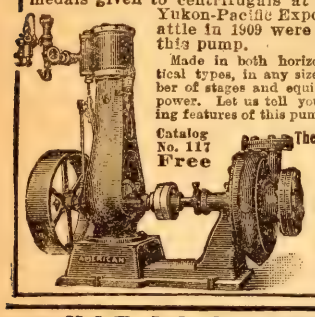
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Cheapest to install, least attention, fewest repairs, highest efficiency and economical and dependable under every condition of service is the

"American" Centrifugal Pump

There is not a valve or other get-out-of-order feature about it—just the easiest possible curved flow-lines without a sudden change of direction in passage through the pump, enabling water to be raised with less power than with any other pump in existence. It's the modern way in pumping. There's 41 years of manufacturing experience behind it. All gold medals given to centrifugals at the Alaska-Yukon-Pacific Exposition at Seattle in 1909 were awarded to this pump.



Made in both horizontal and vertical types, in any size, in any number of stages and equipped with any power. Let us tell you of other saving features of this pump.

Catalog No. 117 Free

The American Well Works
Gen. Office and Works, AURORA, ILL.
Chicago Office, First Nat. Bk. Bldg.

ONCE IN A LIFE TIME
is often enough to do some things. It's often enough to buy a wagon if you buy the right kind. The



ELECTRIC HANDY WAGON

lasts that long under ordinary conditions. First, the life of a wagon depends upon the wheels. This one is equipped with our **Electric Steel Wheels**, with straight or stagger spokes and wide tires. Wheels any height from 24 to 60 in. It lasts because tires can't get loose, no re-setting, hubs can't crack or spokes become loose, felloes can't rot, swell or dry out. Angle steel hounds.
THOUSANDS NOW IN DAILY USE
Don't buy a wagon until you get our free book, "Wheel Sense."
ELECTRIC WHEEL CO., Box 54 Quincy, Ill.



THE CLIPPER

will cut tall grass, short grass and weeds, and do all the trimming along the fence, walks and drives. If your dealers do not keep them, let us know, and we will send circulars and prices.

Clipper Lawn Mower Co., Dixon, Illinois

Inoculated Alfalfa Soil.

75c per hundred pounds. $10 per ton, F. O. B. cars. Send for free booklet, "How to Grow Alfalfa."

Dr. H. SOMERVILLE,
Chest Springs, Cambria Co., Pa.

THE TRIUMPH GAS AND GASOLINE ENGINES
Stationary and Marine: the best, most powerful and perfect engine on the market. Don't pay a big price for an engine when you can save one half of it by sending for our catalogue 3-F. See also our
PRIVATE ELECTRIC LIGHT PLANTS
The best and cheapest light—Size from 5 to 500 lights,
THE TRIUMPH MACHINE WORKS
1011 Spring Garden St. Philadelphia

UP-TO-DATE FARMING

Production and Marketing

THE COUNTY FAIR

THE county fair seems to have lost its popularity, and is not so much a feature of the season as it was a few years ago. That is more the fault of the management than it is of the farmers or the exibits. There are still soldiers' reunions, but they are now generally reunions with the soldiers left out. They are more likely gatherings engineered by fakirs for the benefit of fakirs—a kind of multiplication of opportunities to work petty schemes to gather in cents from the venturesome rural attendant.

The county fair went too far on the same road, and the real progressive farmer and stockman lost interest in it. When that occurred the backbone of the fair was broken. We are sorry. The county fair is, or should be, a thing useful to agriculture. It should call together, and recognize as the foremost in a great calling, those who actually make the farming of the country what it is. It should bring also the families of those leading farmers, and enable them to become acquainted and enjoy together a restful social season. It should bring also under the same auspices those considered the more common farmers and their families, to whom no social or other opportunity should be denied, that they may have planted within them a spirit of emulation and a desire for better things. Each annual county fair should reduce the number of non-progressives, and multiply the number that are continually climbing higher.

Next is the inspiration from the exhibits. Farmers of all classes are viewing them. Some are excellent, some are common, and some may be classed as inferior. Why the excellent? What made them so? If mine are not of that class, what made others better? May I not do as others did and have better another year?

What a fountain of learning and inspiration for ambitious young people! Mr. So-and-so may have beaten us this year, but he can't the next. Fine stock is shown in the pens, but not a bit finer than may be produced by persons who are not now exhibiting. Ribbons are being worn proudly, and producers and owners are jubilant, but those ribbons may find their way to different farms next year. Everything is an inspiration of hope, a sower of seed that must produce flowers to brighten the future years of agriculture and farm life in that county. We want the genuine agricultural county fair to come back.

SEED CORN FOR NEXT YEAR

NEXT spring there will be the usual hustle for seed corn. Some will find good seed and others will fall short of the yield they might have had because they planted inferior seed. It is better to begin the solution of the problem now. The strongest and most vigorous growth, the largest and most perfect development, are invariably the best external indications of what will be the best seed. These things can best be determined during the growth and development. Hence it is well at this season of the year to have an eye to the seed corn. The best will be found where the best corn grows; where it has shown up the best during the entire season. After the corn is fully ripe, one may go through these best places with bag or basket, and select the best ears from the best stalks. The ears so selected must be preserved in a dry place, and where they will not be preyed upon by any corn pests.

If one cannot take time to make this special selection from the fields, the next best time to do it is while harvesting the crop. attach a box or other convenient receptacle to the wagon, and in it deposit the ears that are manifestly the best promise for seed. Should neither of these things be done, then a box should be placed in the crib in which to save the best ears found during the winter's feeding. In this selection, however, one cannot know the kind of stalk on which the ear grew, nor the favorable or unfavorable conditions of growth.

LIME AND LEGUMES

TO grow successfully or luxuriantly all the legumes must grow nodules on their roots. These nodules contain minute organisms that in some way enable the plants to draw a supply of nitrogen from the air not only to give the plants themselves a luxuriant growth, but to leave a greater or less portion in the soil for the benefit of future crops.

These nodules will not form in acid soil, and the reason that it is more or less difficult to grow the legumes, clover, alfalfa, etc., on many farms is because the soil is more or less acid. Lime regulates or neutralizes the acidity, and it is well to treat with lime any land where it is proposed to grow leguminous crops.

From 500 to 1000, or even 1500 pounds of lime to the acre may be applied, and all forms of lime are used for that purpose. But stone lime is evidently the best. It should be slaked into fine powder, and for convenience of application it may be thoroughly mixed with an equal or even greater amount of comparatively dry earth well pulvurized. It may then be sown broadcast, or spread by any other means, and thoroughly harrowed in at the time or before the seeding.

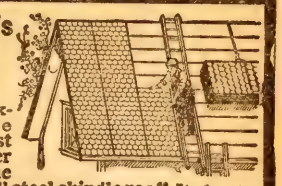
GOOD FENCES

PLENTY of good fences is a necessity to the stock farmer. In states where stock is no longer allowed to run at large fencing has been greatly neglected. But every stock raising farmer needs, at some time of the year, every field he has for at least some of the stock to run in. The value of the corn fields as a pasture after the corn has been gathered is recognized, and most farmers manage to pasture these fields with cattle, but the fencing seldom admits the running of other stock in them. Who can estimate the value to hogs of being able to allow them to run in any field on the farm as occasion might justify? Nothing prevents but the lack of proper fencing.

A 26 or 32 inch galvanized woven wire fence, with two barbed or smooth wires above it, with distance of six or eight inches between, is a fence that will turn any stock, and it is as durable as the posts. A failure to use good posts is the most discouraging feature of such a fence; but promptness to replace posts as they fail, keeps the fence in repair and safe. The great trouble is the first cost, but when that is met the fence is secure for so long as it is kept in repair as above. Such fencing adds much more to the value of the farm than it costs, and it wonderfully increases its stock producing capacity.

STEEL SHINGLE ROOF DEFIES WEAR!

The Nation's Roofing Sensation!



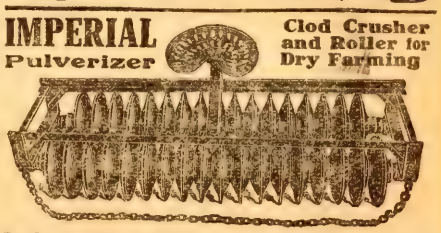
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4-Horse Detached Power or Gasoline Engine. 6 Strokes of plunger to one round. Self feed. Automatic Block Dropper, 2 to 3 tons per hour.

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RED WAVE

New Smooth Headed Wheat ---King of the Wheat Field

Has Yielded 55 Bushels Per Acre in Field Cultivation and at the Rate of 68 Bushels Per Acre in Trial Plot

LAST year when offering this new wheat the first time we predicted that it would be one of the most popular rough and ready sorts in cultivation. We meant that it possessed so much natural vigor that it would withstand hard seasons, bad usage and on even indifferent ground make surprising yields. Our prediction has been verified and wherever it was grown the past year it is taking wheat growers by storm. We honestly believe that there is not one of our 1909 customers but what will sell all he grew of Red Wave for seed at a high price. Every wheat grower that has seen it growing and threshed wants seed. And it will be the same way for a couple of years more. Very little of this wheat will find its way to the general market for some time.

On hundreds of farms it yielded 10 to 20 bushels more per acre than other varieties. When the increased yield is considered it really is one of the best investments a farmer can make to get seed of the Red Wave. But then there is the satisfaction of growing such a reliable wheat, the profit in selling it for seed and the benefit to the community.

Red Wave is a cross between Early Red Clawson and an unnamed cross breed of Russian wheat. It has a very long smooth head; grains medium long, large, firm, amber color, very strong in gluten; the straw grows medium to tall, has thick walls, clean, golden color as harvest approaches, strong and stands up splendidly.



Section of a field of Red Wave wheat on the farm of J. B. Clark, near Indianapolis. The man in the picture is Mr. Geo. W. Treon, manager of O. K. Seed Store. His height, to the top of his hat is 6 feet ¾ inches.

We can conscientiously recommend the Red Wave wheat. We have introduced many of the most popular varieties in the past 30 years but we never had a variety that we could recommend more unreservedly to winter wheat growers than Red Wave.

In magnificent growth, size of head, strength of stem and production Red Wave has no peer. The illustration above was reproduced direct from a photograph taken June 29, 1910, on the farm of J. B. Clark & Son, near Indianapolis. The man in the field is Mr. Geo. W. Treon, manager of the O. K. Seed Store. He is 6 feet ¾ inches tall to the top of his hat. The illustration will permit the reader to make comparisons as to the length of the straw and heads of the wheat. Remember the print is an exact reproduction of the photograph.

In 1909 we sold Mr. Clark enough Red Wave wheat to sow a field. On June 25the he wrote as follows:

"Replying to yours of the 22 inst., Red Wave wheat has proved every claim you made for it and is all that we could wish. Farmers generally all through this section have said that the Red Wave is the best anywhere. I hope you will come and see the wheat for yourself."—J. B. Clark & Son.

Later, on July 6, they wrote as follows:

Red Wave has done remarkably well for us. In comparison with other varieties of wheat in this section, it started out more vigorously last fall, grew uniform all along the season, withstood the hard winter much better than others and in the spring stooled better than any other variety. Today, as we are harvesting, it has longer, better filled heads than any other we have seen. We have grown wheat for many years but we have never had a variety which has attracted as much attention and elicited as much favorable comment as the Red Wave. Farmers from all sides are coming to see the wheat and that makes us happy.

—J. B. Clark & Son.

We glean from other reports on Red Wave wheat as follows: (We do not give full name and address as that would advertise our customers' wheat and we could not afford our expense.)

Mr. L. S., Hartford Co., Conn.—Red Wave is by far the finest I ever saw. I have selected heads that measure 5½ to 6 inches long, firm, compact and full of plump grains. The parts of the field where the land is good I estimate will yield 50 bushels or more per acre.

W. M., Macomb Co., Mich.—Red Wave has every other kind beaten. We began cutting today (July 14) and am well pleased.

F. W. W., Washtenau Co., Mich.—From one bushel of Red Wave sowed I threshed 20 bushels that weighed 62 lbs to the bushel.

J. H. C., Morgan Co., Ill.—I sowed 30 bushels of Red Wave on 19 acres and threshed 1009 bushels, one-half of the field averaged 50½ bushels and the othr half, I fertilized averaged 55 bushels per acre. The wheat is the finest I ever raised and tests 62 lbs. Just before cutting many people in the neighborhood called to see it and they all pronounced it the finest field they ever saw.

E. W., Oakland Co., Mich.—I raised one acre of Red Wave wheat and it yielded 35½ bushels. Very satisfactory.

W. S., Wabash Co., Ill.—I sowed ½ bushel on ½ acre and threshed 15 bushels of as fine wheat as I ever saw.

W. S. H., Calhoun Co., Mich.—I sowed 2½ bushels Red Wave on 1 2-3 acres and threshed 60 bushels. (36 bu. per acre) I am entirely satisfied with it.

G. A., Washtenau Co., Mich.—I sowed 5 acres of Red Wave and threshed 184 bushels and have a load of rakings unthreshed. It yielded more than my other variety.

H. G. A., Brown Co., Ill.—About one peck of the 2½ bu. of Red Wave was lost in shipping. The balance was sown under very unfavorable conditions and some did not show above ground until spring but it yielded 66 bushels. My old wheat in the same field made 18 bushels per acre.

N. T., Catawba Co., N C.—The fly hurt my wheat but Red Wave yielded 17½ bu. per acre, while Red Wonder in the same field yielded 10 bu. It ripened with our native wheat.

HOW TO ORDER

Send remittance with order, or we will ship to responsible parties payable on arrival and subject to examination if one-fourth is sent to guarantee good faith.

The O. K. Seed Store has been headquarters for the best varieties of Winter Wheat for over 30 years. We sell more Winter Seed Wheat than any other seed house. Every reader of this paper can, with care and good seed, raise crops like those reported above. We refer to any bank or business house in Indianapolis.

Central location. Low freight rates. Prompt shipments. Circulars free.

PRICE OF RED WAVE WHEAT

By mail postpaid, 1 lb. 30 cents; 4 lbs. $1.00. By freight or express, not prepaid, ¼ bu. $1.00; ½ bu. $1.50; 1 bu. $2.50; 1 bag (2½ bus.) $5.50; 2 bags, (5 bus) $10.00. More than 5 bushels at $2.00 per bushel. We do not charge extra for bags.

O. K. SEED STORE, DEPT. A, Indianapolis, Indiana

One Fact Beats 40 Claims

Remember that one proven fact beats forty groundless claims.

It is to be expected that makers and agents of disk-filled or other common, complicated cream separators will claim that disks or other contraptions are necessary in a modern machine. They have only complicated machines to sell and want you to believe they are modern. Though forty such makers and agents make that claim, you can't believe it in the face of one proven fact which makes all such claims groundless. And that fact is that

Sharples Dairy Tubular Cream Separators

contain neither disks nor other contraptions, produce twice the skimming force, skim faster and skim twice as clean as common separators.



Full pan contains disks from common separator replaced by Dairy Tubular. Other pan contains only piece used inside Dairy Tubular bowls.

The World's Best. **The only modern separator.** Sales easily exceed most, if not all, others combined. Probably replace more common separators than any one maker of such machines sells. World's biggest separator works. Branch factories in Canada and Germany.



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A Treatise on the Horse, FREE

KENDALL'S SPAVIN CURE

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Beats them all for Spavin, Ringbone, Curb, Splint, Swollen Joints and all Lameness.

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Before After

Cures Strained, Puffy, Ankles, Lymphangitis, Poll Evil, Fistula, Sores, Wire Cuts, Bruises and Swellings, Lameness, and allays Pain quickly without Blistering, removing the hair, or laying the horse up. Pleasant to use. $2.00 per bottle, delivered. **Horse Book 5 E free.**

ABSORBINE, JR., (mankind $1.00 and $2.00 bottle). For Strains, Gout, Varicose Veins, Varicocele, Hydrocele, Prostatitis, kills pain. Your druggist can supply and give references. Will tell you more if you write. Manufactured only by

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Absolutely the best wagon built for every kind of heavy teaming. Low steel wheels, wide tires. Will last a lifetime without repairs.



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EQUITY PUBLISHING CO., Indianapolis, Indiana

UP TO DATE LIVE STOCK AND DAIRYING

DEMAND FOR CLEANLINESS

SELF-INTEREST and individual taste and pride ought to be enough to prompt to the utmost cleanliness in the taking and handling of milk; but another element now enters into that proposition. Those who expect to sell milk or cream or butter must be cleanly to find customers. A modern intelligence demands that things to be eaten or used in families, must be clean or they will not have them. This intelligence has not been of rapid growth, and it first manifested itself through the eye. It has been known for years that fruits, etc., carefully selected, perfectly clean,, and put up in the most attractive packages, outsell what goes to market in a rough and tumble farm fashion. But sanitary effects now enter into the consideration of cleanliness; and there is a demand for cleanliness, especially in dairy products, that must be met or the goods will lack customers.

Aside from the help in getting sales, it is profitable to be cleanly. Strictly uncontaminated milk is much more easily handled than that which is permitted to come in contact with filth of any kind, even with foul or impure air. Therefore, everything connected with the milk, the cream, the churning, must be scrupulously clean, as must the room in which the milk is set so as to insure pure air. This costs more in care than it does in dollars, but it brings back more in dollars.

FROM BIRTH TO MARKET

THERE is no question but the earliest to maturity is the quickest to market and the largest profits. The backwoods idea that an animal should be allowed to "rough it" until time to prepare it for market does not fit these days of civilization, hustle and activity. If an animal is designed for the market it is always time to prepare it for market. There should not be an hour in its life when the owner has not in view its destination and purpose, and his best judgment and constant endeavor should be directed to that end. The best is always most sought after, and generally brings the highest price, while the shorter time in which it was brought to that condition must make cost less and profits greater. The Uncle Threadbare class may argue that the brief time of push is more expensive than the longer time of being left to itself until its age brings it to market with the shorter special treatment, but progressive people know that the best treatment from the beginning and all the time is the most profitable way with stock.

COLIC IN HORSES

SINCE the horse has been used as a domestic animal there have been cases of colic, and every person who has ever seen a case successfully treated, knows THE remedy for colic. This is narrow and indicates a lack of thought and reason. It borders on the amusing to see a group of people gathered around a colicked horse, and there will be such a group if the case occurs where people are in reach, each knowing positively just what will cure the horse.

The fact is colic is the result of many different causes, and what may cure a case from one cause may not be at all effective in a case produced by a different cause. First know the cause and then apply the remedy suitable to remove that cause.

A HAMMER

If a lover of reform is a reformer, is a lover of ham a hammer?

MILK AND MILKING ON THE FARM

WE believe in cleanliness in everything, particularly in handling milk, but there is really a great deal of "rot" in what now fills the papers and bulletins concerning the handling of milk. If all that is said must be done before milk and butter are fit to use as healthful or safe human food, then it would be better to abolish the use of milk altogether. But milk has been used by the human family ever since it was discovered that cows or goats or even mares, could produce a surplus, and it has been considered good food, and without much danger of bad effects.

Scientists and doctors get cranky, and cultivate fads, the same as do the common people; and the extremes now gone to in the demand of things that must be done in milking and the handling of milk, will be forgotten before the younger "experts" have "finished their course."

We want farmers to be progressive, and we would reject nothing simple because it is new, but we would not worry over the impractical, and we are not prepared to say everything is necessary or best simply because it has been declared so by an "expert."

IMPROVEMENT IS THE WORD

WE can't advise farmers to be restless and discontented, yet we would not have them to be satisfied. The man that is satisfied is too apt to sit still. He thirsts for nothing better. He is seldom a hustler. But in every walk of life today improvement is the word. This is as marked, we presume, in the live stock and dairy interests as in any other human pursuit. The scrub is out of date. The market calls for the best, and it backs it up with the highest prices. And since it is just as cheap to raise a good animal with good blood in its veins as it is to raise a very common scrub, the profit is on the side of the thoroughbred.

In the dairy herd, or even in the family milker on the farm, one cannot afford to fool with an unprofitable cow. The cow that knows how to pay for her keep and to add a profit to it is the only one that the farmer or dairyman can afford to keep.

Hence we say in all earnestness, improve the cows. Test every one in such a way that you may know each one's qualities. Keep those that make good, and discard the ones that do not.

IN BUSINESS

Where is the fellow that used to put in his time begging his sweetheart to meet him at the gate? asks a St. Louis paper.

Another, more observing than the first, wisely answers: "He's at home helping to take care of the babies."

TO SAVE HER OWN CLOTHES

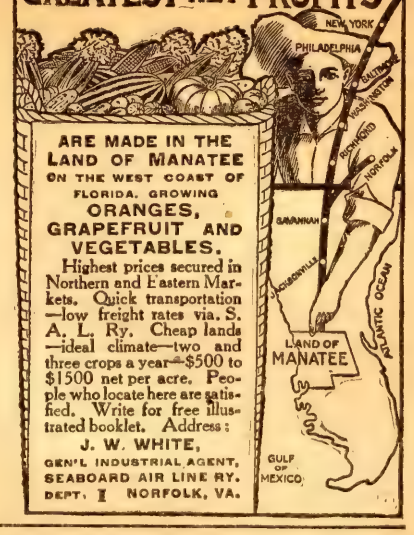
"Why does your wife always choose fat girls for her servants?"

"She is slim, and fat girls cannot wear her best dress every time they go out!"

ABSORBINE AMONG THE TRAINERS

ABSORBINE is a great favorite among the trainers and is in constant use by them. Whenever they need a remedy for getting the horse in condition for the race, they apply ABSORBINE and the horse goes to the race sound. Harry Benedict of East Aurora, N. Y., reported under date of June 5th, 1910 as follows: "Have used ABSORBINE for a long time, and I think it is one of the very best remedies known to veterinary service." A splendid preparation to use in case of Bog Spavin, Big Knee, Bruised and Swollen Tendons, Capped Hock, etc. On sale at druggists $2.00 per bottle, or sent direct upon receipt of price. Write for descriptive pamphlet sent free. W. F. Young, P. D. F., 102 Temple St., Springfield, Mass.

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THAT GREAT FRUIT and TRUCK GROWING SECTION—
along the

Atlantic Coast Line RAILROAD

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DO IT NOW!
FLORIDA HOMELAND COMPANY
452 Atlantic National Bank Bldg., Jacksonville, Fla

Maryland Best in the Union

THRIFTY FARMERS are invited to settle in the state of Maryland, where they will find a delightful and healthful climate, first-class markets for their products and plenty of land at reasonable prices. Maps and descriptive pamphlets will be sent free upon application to State Board of Immigration, Baltimore, Md.

WEST MICHIGAN FARMS OCEANA is the most productive country in the state. Fruit, grain, clover, alfalfa, potatoes, stock, poultry. $10, $20, $30 to $50 per acre; will produce double cost first year. All sizes, easy terms. Send for list.

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CANADA Just costs you a two-cent stamp to ask for information worth $10.00. Canadian lands $2.00 per acre cash, balance 6 years.

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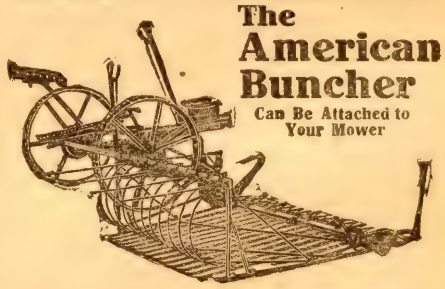
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The small classified advertisements in the Business Exchange have a value for those who take advantage of the department, out of all proportion to their size. These "liners" are small and inexpensive. Yet thousands of readers of UP-TO-DATE FARMING look here to supply various wants.—A farm for sale.—Improved live stock wanted.—A dozen heads or more in the Business Exchange.

The American Buncher

Can Be Attached to Your Mower



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It will save one-half bushel seed to the acre more than any other way you can handle it. It is also practical for saving hay, short grain, etc. Try one and see how much you can save.

THE AMERICAN BUNCHER MFG. CO.
INDIANAPOLIS, INDIANA

RICE, THE WHITE CEREAL OF ARKANSAS

RICE has always been considered a low ground-crop and it appears to have been reserved for the farmers of Arkansas to discover that on the high, dry prairie land of that State irrigated from wells and cultivated with modern machinery it can be grown more successfully than on marshy low lands. We quote from Mr. John C. Small, writing of the rice crop in Arkansas, as follows:

When the Arkansas farmer began experimenting with rice, he met with the same taunts and jeers that were hurled at the men who first attempted to raise wheat in the Dakotas. And when he began to raise bumper crops the skeptics told him that he would flood the market, just as they told the wheat grower that his grain would be worthless. But nobody hears reports of overproduction of wheat, nor will there be any complaint from rice growers as long as he can get $1 a bushel and raise 60 to 80 bushels an acre, and that on low-priced land.

Do not take it that the cleverness of the rice farmer or the peculiarities of the Arkansas soil have overthrown any laws of nature or that an occupation is being taken away from the Orientals by witchcraft. That is not true. The Arkansas farmer simply has found the mechanical means by which he can make the conditions required for rice culture. He has better irrigaton better soil, better opportunity for cultivation and easier methods of harvesting, and all these without any of the disadvantages and handicaps. The Arkansas farmer turns on his water when he wants it and he turns it off when he no longer needs it.

The rice district of Arkansas embraces parts of six or seven counties in the northeastern section of the state, on level table lands lying between the Ozark Mountains and the Mississippi River and north of the Arkansas River. The Cotton Belt Railroad from Paragould to Pine Bluff penetrates the very heart of the rice belt. These lands are high and well drained. The area is about 50 miles wide by 150 miles long.

The rice lands, whether they be improved prairies or cleared timber lands, look very much like the grain fields of the Middle Western States. They are high and dry, with here and there a grove of trees, a red-top barn and a well-kept farm home. The wheat farmer is at home in this country.



When the Rice Heads droop Irrigation is Stopped to Permit Harvesting

No farmer is more independent of the weather than the rice farmer. He makes his own climate. There are no providential rice failures. It doesn't matter how little it rains or hot it shines; the irrigation pump temporizes the elements. A turn of the faucet will increase the moisture or lessen the supply.

Rice consumption in the United States has steadily increased, and with the rapid growth of population and the greater exploitation of the food value of rice, it is apparent that this country will require for its own consumption all of the rice it can grow even if the available rice area shortly becomes fully developed.

Farmers of the Arkansas Rice Belt apparently have more ready money, better teams, better farm improvements, and they are in better condition, in every way, than the farmers of any other part of the South. It is no uncommon thing to see a farmer plowing with a $450 pair of mules or driving a $2,500 automobile.

Dr. W. H. Moorhead, of Stuttgart, president of the Arkansas Rice Growers Association, reports the outlook favorable for a 75,000-acre crop in 1910, compared with a crop of 28,500 acres last year. These figures were computed from local reports from the various districts, and it is probable that considerable land in new districts was not included. Ray O. Burks, manager of thee Stuttgart Rice Mill, estimates last year' acreage at 56,000, and says that there will be 100,000 acres of rice in the State in 1910.

Rice farming is an industry that requires capital. A man must have money to buy his land, to install his irrigation machinery, to buy his implements, his teams and his seed. True, he can get time on his land and machinery, but he needs a good deal of money to start with and that is a fact that may as well be understood at the beginning.

There is, however, an opportunity for the man without large capital to begin as a tenant farmer or wage earner in the rice country. There are plenty of men who have the capital but not the time to engage in rice farming and they need the help of earnest, practical men. Here is the chance to start in on the ground floor, to become acquainted with the crop and to save money that will enable one to go into the rice growing business for himself.

There is quite a difference in the way the modern rice farmer grows his crop in Arkansas and the way the primitive Oriental cultivates the same grain in China, India and Japan. The foreigner plants his rice as one would set out tomato slips, and he cultivates it in lowland bogs. The Arkansan grows his rice on high prairie lands, which are submerged only during the growth of the plant, and he prepares his soil with the same implement that the American farmer plows his wheat fields—the riding plow—and he harvests his grain with the most improved machinery.

This is explained when one understands the character of the rice plant. It will stool a dozen stalks will spring, each bearing a plump head of grain. One seed planted in the soft earth multiplies three and four hundred times. Nothing can compare in beauty to a field of green rice.

When it is remembered that the Arkansas farmer plows under a rice stubble eighteen inches high, storing in the soil this great quantity of vegetable matter there to be decomposed and made into plant food, it can be understood that very little fertility is taken from the soil.

Fertilizing qualities are also found in the water which flows upon the rice lands during irrigation. These mineral qualities are not present in such quantity as to be appreciably noticed in a glass or bucket of water, but they assume considerable volume in 80 or 90 days of irrigation at the rate of 1,000 gallons a minute.

Honduras is the highest priced of the two varieties of rice grown in Arkansas. The quotations run from 90 cents to $1.10. The average price paid in 1909, reported by Williams Bros., of Stuttgart, was $1.02 a bushel. The yield is from 50 to 80 bushels to the acre.



Rice Farmers With Their Automobiles. Main St., Stuttgart, Ark.

COST PER ACRE OF PRODUCTION

Men who manage their own farms, lead their own men and give the crop their own time, say that rice can be grown at a cost, including seed, plowing, irrigation, marketing and interest on investment, at from $10 to $15 an acre. Business men who hire all their work done will place the cost at from $22 to $25 an acre.

Farmers representing 5,000 acres in the neighborhood of Stuttgart reported their acreage expense to the Arkansas State Rice Journal and an average struck from these figures is $18.25 an acre.

Rice grows as high as a man's head and thicker than wheat. From a single

Arkansas Rice Lands

Have largest productive value in dollars and cents—pay the best per cent on the investment. Farmers are growing wealthy on one and two crops.

TWO BARGAINS

160 acres 5½ miles Stuttgart, every foot adapted to rice culture; large house and barn, both new. Located 1 mile railroad station. Price, $55 per acre.

921 acres, has railroad running through it, station 1 mile; has large irrigation plant. 130 acres in rice this season. Good house and barn. 750 acres prairie, all level and adapted to rice growing; balance fine timber. Price, $50 per acre. Terms.

We have any size tract from 80 acres to 3,000 acres, both improved and unimproved. Write us for descriptive literature, or better yet, get on the train and come down and let us show you. Railroad fare refunded to all buyers. Address.

HAMMANS & LUCAS, Wolfolk Bldg., Stuttgart, Ark.

Rice Lands

OUR RICE LANDS ARE SUPERIOR AND LOCATED IN THE BEST WATERED DISTRICT IN ARKANSAS

M. P. FLETCHER & SON
Lonoke, Arkansas

FOR RICE LANDS

As well as General Farming Lands, call on or address, **Philip Reinsch, Stuttgart, Arkansas.** :: ::

—WORKS BOTH WAYS—

If you will mention this paper every time you write an advertiser even tho' you see the announcement in some other paper also it helps us. In turn we can make a better paper to benefit you. "Every little bit helps." Will you?



as high as a man's head

and thicker than wheat—that's the way rice grows on the Grand Prairie of Arkansas. From a single stool a dozen stalks will spring, each bearing a plump head of grain. One seed planted in the soft earth multiplies three and four hundred times. One acre of rice there produces more bushels and more money than *four acres of wheat* elsewhere. Men who never grew rice before in their lives—have gone down there and now are making fortunes in

Arkansas Rice

41 acres makes $3,936

A. D. Bunn—a Doctor of Stuttgart—last year planted 22 acres of Honduras Rice and 19 of Japan. The Honduras made 81 bu. to the acre. In his own words: "I sold a part of this for seed at $1.25 and the rest at 96¢ per bu., averaging $1.10. The Japan made 114 bu. an acre, which sold at 90¢. My total income was $96 per acre from the 41 acres."

Arkansas Rice is raised on high, healthful land, by the same method used for wheat—the only difference being that for a part of the time the land is flooded with water; this difference makes it the *surest* staple crop, for you are *independent* of weather—neither a dearth of rain nor a deluge can effect your yield.

The best way to judge an opportunity is to look into it yourself. Take advantage of the low fares offered twice each month via Cotton Belt to *go down there*. Nothing that you can read will *convince* you as will the things you'll *see* when you get there. Land values have almost *doubled* since last year but in the *newer* districts you can still buy good land at a price that the *first year's* crop will *pay* for.

"The Rise of Rice" tells you everything that can be told in a booklet—gets to the bottom of things. Brimful of facts and chuckful of pictures—interesting from first to last. Write for *your* free copy today.

COTTON BELT ROUTE

E.W.LaBeaume, G.P.&T.A., St.L.S.W.Ry., 1321 Pierce Bldg., St. Louis



THE OLD RELIABLE
LAMBERT'S
DEATH TO LICE

Insures Clean Fowls—Large Profits It has been the standard lice-killer for over 25 years—the standby of successful poultry-keepers. Easily used, absolutely safe; sure and quick in results. Most economical because it goes farthest. Try it, and see young fowls grow faster and hens lay more. **Sample 10c.**

If not at your dealers, we will supply you. Send 2c stamp for valuable book, **"Practical Poultry Feeding."**

O. K. STOCK FOOD CO., 350 Traders Bldg., Chicago

14¾ Cents a Rod

For 22-in. Hog Fence; 15 3-4c for 26-inch; 18 3-4c for 31-inch; 22c for 34-inch; 25c for a 47-inch Farm Fence. 50-inch Poultry Fence 33c. **Sold on 30 days trial.** 80 rod spool Ideal Barb Wire $1.55 Catalogue free.

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We manufacture **Lawn and Farm Fence. Sell direct** shipping to users only, at **manufacturers' prices.** No agents. **Our catalog is Free. Write for it today.**

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LAWN FENCE

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Box 384 Muncie, Indiana.

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in each town to ride and exhibit sample 1911 bicycle. *Write for Special Offer.*

Finest Guaranteed 1911 Models **$10 to $27**

with Coaster-Brakes and Puncture-Proof tires. 1909 & 1910 Models all of best makes **$7 to $12**

100 Second-Hand Wheels *All makes and models, good as new.....* **$3 to $8**

Great FACTORY CLEARING SALE We **Ship on Approval** *without a cent deposit, pay the freight* and allow **TEN DAY'S FREE TRIAL.**

TIRES, coaster brake rear wheels, lamps, sundries, *half usual prices.* Do not buy till you get our catalogs and offer. *Write now.*

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AGENTS 134% Profit



Patented Safety Hold-Back

New Agents' Proposition. Every owner of a vehicle buys. Saves time in hitching and unhitching. Insures safety in accidents—runaways—collisions. Just out. Thousands being sold. We absolutely control the sale of this wonderful seller. $3.50 to $7 a day profit.

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GREAT MONEY MAKER FOR AGENTS



Sell Magnetic Combs and get rich; agents wild with success. They remove dandruff; stop falling hair; RELIEVE HEADACHE, never break. Send 2c stamp for sample. **PROF. LONG, 809 Ash St., PEKIN, ILL.**



MAGIC NEEDLES RODS, Goldometers, Chronometers, etc., for treasure seekers. Millions of wealth under your feet. Guaranteed the best made. Interesting booklet for 2ct. stamp. **FREE**

P. & M. AGENCY, 119 Elk St., PALMYRA, PA.



Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.

Miners Supply Co. Dept 2 , Palmyra, Pa.

Wanted—A man or woman to act as our information reporter. All or spare time. No xperience necessary. $50 to $300 per month. Nothing to sell. Send stamp for particulars. SALES ASSOCIATION. 629 Association Building, Indianapolis, Indiana

Black Hawk Corn Sheller

It is the standard. Everybody has heard of the famous BLACK HAWK SHELLER, hence we need not say much about them. This is absolutely the highest grade sheller on the market. Made of best material. Separates cobs from corn. Runs easy. Practically indestructible. Our *Special Price* only

$1.75



A good first-class sheller will save its cost in a week's use.

O. K. SEED STORE, Indianapolis



SCATTERED FEATHERS

The hen that moults first will begin laying first in the fall.

—o—

The most inexcusable waste in the poultry yard, is the keeping of a gang of useless roosters, whether old or young. The surplus young roosters should be sold as fast as they come into a profitable market.

—o—

Hens that are getting to old to be useful should be culled out of the flock. Everything in the poultry yard should be made to pay its way.

—o—

The most valuable asset of the poultry yard is the hens that will lay the most eggs during the winter, and these without doubt are the earliest and most vigorous pullets. Know your flock well enough to pick these out, and give them first place.

—o—

Fowls know what is good for them, and the eagerness with which they pick among wood ashes, gathering the bits of charcoal in them proves that they need these things, and they should have them.

—o—

It will be seen this fall, as it has before, that the turkeys most sought and paid the most for, are not the great big overgrown things, but the neat, plump, fat, not over large ones. Turkey raisers and sellers ought to take the hint.

—o—

There is a demand for all the quills of both turkeys and geese, and especially for the tail feathers of the turkey. Yet those who dress these for the market seldom save the quills and tail feathers. It would pay to do it.

—o—

Don't let high weeds grow up in the poultry runs. Mow the runs frequently. If large, this may be done with the mowing machine. If not large enough for that, use the scythe. Better yet, if it is practical, is to use the lawn mower. Two or three mowings will keep the runs in fine shape.

—o—

Don't sell lean fowls, young or old; it is a waste both in weight and price. Poultry used on the table should be fat also—the fatter the better. Don't starve anything.

—o—

It is well to have feeding coops that can be entered only by fowls of a certain size. In these coops feed and water may be constantly kept, that the fowls of the required size may use at pleasure. Thus may the young chicks be kept fat all the time without wasting feed on the fowls that do not need it. But the best way is to have enclosed runs in which to keep the fowls that are to be sold or used. One can scarcely grade these fowls by size.

—o—

Fowls are very apt to seek roosts in trees in midsummer. This is because they want fresh and pure air. Take the hint, and keep the poultry house clean and well ventilated.

—o—

It is not best to keep the old roosters over for another season unless there is some special quality to justify it. Fatten and dispose of the old roosters. They do not bring very much in the market, but they form a good basis for an excellent farm pot pie.

—o—

Whether raising thoroughbreds or not, it pays to get roosters to mate with the flock next year from some other flock, even though it be from that of a neighbor; and it is better to secure them this fall. Often a satisfactory exchange may be made.

THE GUINEA-CHICKEN CROSS

IN a recent issue of UP-TO-DATE FARMING I note the illustration of what was supposed to be a cross of a Plymouth Rock rooster and a guinea hen, and what was said concerning it. You are correct in your conclusion as to the fowl's origin. I have seen two such crosses, and I think, under favorable circumstances, they would be quite common. But I very much doubt the utility of such fowls, as they seem to be sluggish, and would likely be very susceptible to disease—neither so hardy nor useful as either parent.—A. R. Hederick, M. D., Booneville, Ark.

EGGS NEXT WINTER

IT is not too early to begin to think about the eggs next winter. The early pullets of last spring hatch will be the principal winter layers. Of the laying breeds pullets hatched in April ought to begin laying in October. A friend living in Southeast Missouri reports a Brown Leghorn pullet that was hatched in April that actually laid eggs during the first weeks of July; but that was a precocious bird, and must not be considered a normal case, though well selected and well treated early pullets of any of the good laying breeds ought to begin to lay before frost comes in the central latitudes, and they should keep it up through the winter.

Of course hens depended upon for winter eggs must be warmly housed in properly constructed buildings, and they must have good treatment and appropriate feed. The best thing the farmer can provide for his winter layers is a patch of rye. The rye should be sown in September in the central latitudes, and it should be near the poultry house and runs, so that the fowls may have free access to it every day. It will afford the very best of green feed every day that the ground is not covered with snow, and eggs will be the result. Of course the fowls will need other feed.

TOO GOOD FOR THE CHICKENS

A few days ago two farmers were discussing feeds for the chickens. One suggested wheat as a good feed for laying hens. The other promptly replied that wheat is too valuable to be used for chicken feed.

The profit in using a thing does not depend upon its value, but upon the return that is made for it. We doubt if wheat can be used in any way to greater profit than in feeding it in reasontble quantity to laying hens. Besides, the profits derived from hens prove them to be entitled to the best there is on the farm—nothing else makes better returns for the feed consumed. The hens deserve the best, and should have it.

"THE RISE OF RICE" FREE

A most interesting book just issued is that entitled, "The Rise of Rice," published by the St. Louis Southwestern Ry., is being offered free to our readers. It is brimful of facts and chuckful of well finished pictures. It tells of the new rice industry of Arkansas, and if you are interested in that section of the country, you should have this book. Address, E. W. La Baume, G. P. & T. A., St. L. S. W. Ry. 1321 Pierce Bldg., St Louis

WANTED We need good honest men who are willing to work. We are appointing salesmen every day to demonstrate, advertise, accept orders, and make deliveries for our wonderful new fire extinguisher in their territory. We want general agents and managers also, and we give enormous profits. It is an opportunity to get away from the slavery of wages; to get into business for yourself. You will be your own boss—you will be independent, have abundant money, pleasant position, and your time will be your own. It is the chance of a lifetime.

NO EXPERIENCE NECESSARY

We will appoint you and teach you everything about the business. Anyone—young or old—who is honest can secure a position. Our active salesmen are always furnished complete sample outfit free. Hundreds are getting rich.

LISTEN:— Edward McGough, O., says: **"Made $160.00 last week. Easiest thing in the world. Everybody buys. Everybody satisfied—me best of all."** E. J. Dirr, Mich., writes: "Never dreamed of anything selling so easily. **Eighteen orders one day—profit $22.50.** No trick at all—just show and take the order." That's the way it goes—every man prosperous and happy—coining money hand over fist. F. J. Baughman, Ohio, says: "Sold 15 first day. Going fine, **fine, FINE.** Ship 250 at once. **Hurrah for more business."** I. C. Gordon, Ind., telegraphs: "Ship 150 today. **All sold out. Everybody wants to buy."** G. J. Hoyt, Pa., called up by telephone and ordered 100. He said: "The fastest seller in the world. Anybody can sell it. **My boy, 14 years old, sold six yesterday afternoon."** O. R. Joy, Ill., "started out 10 a. m., **sold 14 by 3 o'clock"**

This is a big reliable manufacturing company, and we offer honest, ambitious men a chance to make thousands of dollars. No matter where you live, write at once. This machine is the most startling, wonderful, lightning seller brought forth in a hundred years. Simply show and take the order. It is the

MOST AMAZING INVENTION OF THE AGE.

But don't delay. Territory is going fast. You should write today. Think of it. **A chemical fire extinguisher that even a child can use.** Always ready. Acts instantly. **Death to any fire.** Low priced. **Absolutely reliable.** Not sold in stores. **Guaranteed in every particular. Will last forever.** Operates anywhere, everywhere. Wonderful combination of mechanical and chemical forces. Pronounced a marvel of science. No more homes destroyed because a fire department is not available. No more wives and mothers burned to a horrible death from exploding gasoline stoves. No more danger on farm, in towns, factories, schools, theatres, stores, anywhere---everywhere---if the **U. S. Chemical Fire Extinguisher** is there. The machine is **absolutely guaranteed,** and it sells on sight. Everybody needs it. **Saves life, property, insurance.** Everybody interested---eager to obtain it---eager to order. Could anything be easier---better---than supplying this demand already created? You can

MAKE $4000

this year demonstrating this machine upon our **grand special introductory price offer.**

We want a good man in every territory to **fill orders, appoint, supply, control sub-agents.** Exclusive territory, protection, co-operation, assistance. **166 2-3 per cent profit to salesmen.** Prompt shipments. Square deal. Personal attention. Everything to help you succeed---to help you make money. Field untouched. **No Risk.** You simply can't fail. Write for your county today. We want a thousand ambitious men.

SEND NO MONEY Only your name and address on a postal card for complete information, offer and valuable statistics on fire losses **FREE. Investigate.** Write at once. Give name of county, and write your name plainly. Address

THE UNITED MFG. CO.,
140 Mill St. Leipsic, O
[Reference: The Bank of Leipsic. Capital: $1,000,000.00.

AGENTS SALESMEN MANAGERS

Illustration drawn from Life

Anyone can successfully do this work. All we require is honesty and industry. No experience necessary. We teach you how to make one-minute demonstrations that simply amaze everybody. You will demonstrate to homes, schools, theatres, factories, churches, public buildings, fire departments, city councils, etc. Everybody is interested. Everybody a customer. Work can be done in spare time at the start, if necessary. Women successful the same as men.

GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

WHAT HAS THE HARVEST BEEN?

The time is now here for each farmer and gardener to ask himself: **What has the harvest been?** WHY? **Could it have been better?** WHY? And renew his promises that the next one will be put out and grown by up-to-date methods. **WE ARE ASKING OURSELVES THIS SAME QUESTION.** We are never satisfied, but are determined that this paper shall be better and more helpful each succeeding year. WILL YOU HELP US BY GETTING THAT SUBSCRIPTION FROM YOUR NEIGHBOR AT 25c PER YEAR AND SENDING IT IN? **We will appreciate it today.**

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

The day after this month's department mater will have been mailed, I will start upon my annual tour among the flower carnivals in Central New York, and it is my purpose to get some financial and statistical data, to lay before the readers of this Department, later on, in order that they may appreciate the better what a nice, ethical, and sure, method of raising funds for charitable or other purposes, the flower carnival is.

I had quite a number of applications for the boklet on the "Flower Carnival" last winter and spring, but not nearly as many as there should have been, or would be, once it gets to be understood **what a money raiser the flower carnival is,** and what a beautiful influence it is to a town or community in the way of stimulating a love for flowers, lawns, and beautiful front and back yards.

Everyone interested in a "Town Beautiful" movement should go into the flower carnival as its greatest aid. I am speaking from past experience of the New York towns and farm communities which have tried it to their entire satisfaction. This year I will have a typical opportunity to make the test, as I will act as the judge of exhibits at a flower carnival held in a strictly farm community—not even a village to draw from, the affair being held in a country church. The success of this carnival will demonstrate whether or not they are adapted to strictly farm communities. I will tell you all about it later.

ORCHARD CONDITIONS

I have just returned from an inspection of orchards in several parts of the country, and am pleased to report that in the sections in which spraying is done seriously, the apple crop promises to be large and of fine quality. Differing reports reach me from the Pacific Coast apple fields, but in the main they are favorable, but there seems to be a fear that prices for Pacific Coast fruit will be lower than for several years past, due to the influence which the New England and New York crops will have on the market.

Copying Western Methods.

The Western growers complain that the Eastern growers are copying their methods and packages, and in many cases puting the fruit on the market as "Pacific Coast" fruit. If the later be the case it is wrong, as the fruit should go on the market on its merits, solely, but there can be no legitimate objection to the Eastern growers using the Western style packages, as it is a proven truth that, next to the fine quality, their packages sell the fruit, being of convenient family size.

There has been an awakening during the past few years among the fruit men in the East, along the line of methods of production, as well as packing and marketing. They have come to realize that the general farmer who simply let his orchard go until apple-picking time arrived lost money; that to grow fruit for an exacting market—especially the market made by the Pacific Coast—it must be done as a business, and not as a side issue.

Fruit Growing as a Business.

They also have come to the understanding that the fruit business must be run on the basis of a capital investment, which consists of fertilizer, spraying, tillage and labor, and the returns from which will be just as in any other business—in accordance with the skill with which it is managed. This being the case, we may look for some keen competition between the Eastern and Western growers. **May the best fruit win.**

Destroy the Windfalls.

By the time this appears in print the crop of apples in the section North of the Ohio River will have been made, and most of the wormy ones will be on the ground. See to it that these are gathered up and fed to the hogs or destroyed, so as to destroy every vestige of insects and fungus diseases which may happen to be on them. THIS IS IMPORTANT. It will make less trouble next season. Do not let any "mummy" apples hang on the trees over winter, as these are nests of germs—DESTROY ALL OF THEM BY FIRE.

Equity Marketing.

It is not exactly the province of this Department to teach the marketing end, but I have such a large and intelligent audience, many of whom are marketers that I cannot refrain from "a few remarks."

In a few weeks there will be an immense lot of garden, farm, and orchard produce to either be put on the market or stored for winter and held for better prices. If this is "DUMPED" on the market as fast as it is harvested, you know what the result will be? You will get little or no returns for your season's work; but, if the marketing is done on EQUITY PRINCIPLES the produce will be offered in markets which will be ready to absorb it, and pay fair prices for it.

How to Prevent Dumping.

This is better than the old way of dumping all on a glutted market, while a hundred miles away there is a depleted market which would be glad to get it at fair prices. How will you do your marketing by the EQUITY PRINCIPLES? By organizing Local Unions of the FARMERS SOCIETY OF EQUITY, then County Unions, and puting the EQUITY SYSTEM into force. When this object is obtained, the farmer will get a fair price for his produce, and the consumer will get a good quality of products at a fair price, **for EQUITY aims to be fair to both.**

Let me give you an instance which occurred a week ago. A produce dealer wired to a number of Georgia melon-growers for a car-load of melons,, offering the top price for quick shipment. All answered that their stock, then ripe, had been shipped to Baltimore. He wired a Baltimore firm, who reported a glut in the market, and bought a car-load, FROM A GEORGIA FIRM to whom he had wired, at a little more than half what he had offered the Georgia grower direct. It was a case of "dumping" on Baltimore, while other sections were suffering for melons. Are you going to be a dumper, or will you join the F. S. E.? **Organize a union at once, and get all your farmer neighbors in. Remember the fate of the last season's potato crop?**

ABOUT YOUR LAWN

In the section North of the Ohio River, the first week of September is about as late as it is safe to do any new work on the lawn, or patching with seed. The reason is that the young seedling grass should have time to get a good growth before severe freezing sets in. If you have any of this work to do, do it at once. Be thorough in your work and methods, especially as to drainage and good quality of soil. The seedbed should be watered with a fine nozzle every day on which it does not rain.

In the case of a steep terrace, the seed had better be put on by the "plastering" method. The terrace is rolled and firmed as solid as can be, keeping it level and smooth. Then mix a quart of lawn grass seed with a gallon of pulverized clay, and enough water to make a medium thin batter. This is thinly plastered over the face of the terrace, with a plasterer's trowel, and kept moist until the grass is large enough to take care of itself.

FALL INSECT PESTS

This time of the year is the grand rallying time of the **aphides**—plant lice of every species, and an effort should be made to clear them off the premises, and induce your neighbor to clean up his. The more you let live over winter, the more there will be to pester you and injure your plants, trees, and crops next season. Kerosene emulsion will do the work as well as anything ever tried, and it is many times cheaper than whale-oil soap.

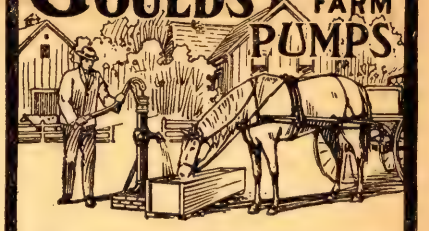
Go over the peach trees for the last crop of borers, and examine the apple tree roots for signs of root-lice, and if found, MARK THE TREE, and as soon as the leaves drop, denude the roots as well as you can, and soak them with a half-solution of the kerosene emulsion, and cover them over again with the soil.

These precautions will make a vast difference in the number of pests you will have next summer, but the work should be done by whole neighborhoods, as one infested orchard will pollute a whole district, as the young aphides are carried from tree to tree on the feet of the birds—**but do not blame the birds.**

One of the most interesting little booklets that has come to our notice in many a day, is one entitled, "THE WHYS AND WHEREFORES OF FALL SPRAYING," issued by the B. G. Pratt Co., 50 Church St., New York City, manufacturers of "SCALECIDE." In about one hundred words Mr. Pratt has given seven reasons for Fall Spraying and each reason is sane and sound.

One or more of these booklets will be promptly mailed upon request to the B. G. Pratt Co., to anyone who mentions Up-to-Date Farming.

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solve the water problem for the country home. Easy to operate and keep in order, made of the most durable materials by workmen who have made pumps and pumping a life study. **Sixty years the standard.**

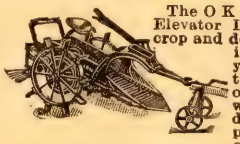
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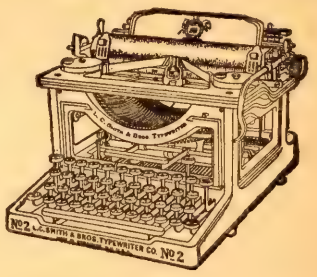


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PIANO
Pure in Tone

IT'S A WONDERFUL STORY—the determination of Lyon & Healy, the world's largest music house, which had already conquered the world with the Lyon & Healy Harp, to produce in their own factories a piano that would fittingly represent them:

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Such a triumph!

Here is a piano on which the cost of labor is double that of an ordinary piano; the cost of materials is 50% more than on ordinary pianos. Here is a piano that 180 dealers in all parts of the world secured the representation of in less than one year, a record without a parallel.

There is really nothing like the Lyon & Healy Piano.

It bears a world-standard name.

It represents the experience gained in conducting for 46 years the world's largest music house. It is sold like all Lyon & Healy products, at such a small margin that it practically sells itself. It bears the strongest guarantee written.

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Gentlemen:—Please send Lyon & Healy Piano Art Souvenir catalog containing easel-back illustrations. (72

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RETURN OF HOSPITALITY

IT's a busy time out on the farm, and every one looks with alarm on the things that sure must be done, the half of them not yet begun. Aunt Jane is sweating o'er the stove, red as a lobster from the cove. The fruit is ripening extra fast, and must be canned, for it will not last, and harvest hands are rushing in, the machinery with unearthly din, reminding of the meals to cook, of things obtained by hook or crook.

Just then a crowd from the city comes, so pleasant it is in the country homes; and Aunt Jane is such a dear old thing; they wanted to see her in the spring; but were so busy, then, you know, they conldn't come till the summer glow. So glad to see Aunt Jane, they say, they talk and chatter till the end of day. The women plunder up the rooms, but never think of using brooms. The children always under foot, want this and that, are hard to suit; while days and nights grow into weeks, and heat still reddens Aunt Jane's cheeks.

But everything must have an end, and by and by the folks contend that things are needing them at home. Would Aunt Jane take a rest and come and see the city, stay awhile, and learn how people live in style? Oh, no, she she could not get away. But these good people's little stay has been so sweet she could not now get on without them any how. Guess she'd pull off a day or two, and of the city take a view. She washed her children's faces clean; and there was Ruth and Susie Green, poor things, who always staid at home, she'd likewise have those children come.

Well, things were different in the town. Each minute made it look more brown. The love talk quickly disappeared, and kindly words were seldom heard. But Aunt Jane stayed, and stayed, and stayed, until her friends were quite dismayed, and intimated clear and loud that they scarce had room for such a crowd, and would she and children go away and come again some other day?

She went, and it is safe to bet that crowd her visit won't forget, and next year just in harvest time that lot will seek a different clime.

—Partly borrowed.

AT THE TABLE

NEATNESS on the table is one of the very best apologies for what may regarded a scant meal; and no meal is sufficiently abundant or costly to excuse a slovenly set table or a dirty table cloth or napkins. At the every day meals on the farm a clean light colored oil cloth with no other covering is excusable, or may even be attractive; but a dirty linen spread should never be used, nor should the plates and dishes be placed upon it helter skelter with no attention to orders or regularity. Family refinement ought to manifest itself at the table if anywhere, and it generally does, and its very first evidence is cleanliness and order.

USEFUL HINTS

Warm water sprinkled on clothes from a clean whisk broom puts them in condition for ironing much more quickly than cold water sprinkled upon them.

—o—

A change of underclothing is refreshing and restful on a hot day. The removal of a corset or even change of shoes produces a restful feeling.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain; cures wind colic and is the best remedy for diarrhoea. Twenty-five cts.

In making lemonade, sweeten the water before putting in the lemon. It takes less sugar to make it that way.

—o—

To polish the stove or range rub with a cloth moistened with coal oil, and polish with newspaper. This is so simple it may be done frequently, and the stove or range will look new all the time. When the stove is taken down in the spring, and the pipe is put away, rub the pipe with coal oil and wrap in newspaper. It will not rust during the summer.

—o—

A box kept in the kitchen closet, or near there, in which may be dropped waste papers, especially old newspapers, will afford conveniences that will often come handy. Few things are more often needed, or serve a better purpose, than old newspapers. For cleaning lamps, wiping greasy vessels, or wiping up spilled grease, nothing is better. And then it may be burnt as soon as used, and thus put out of the way.

Readers will note on the last page of this issue a large announcement of the Chicago House Wrecking Co., advertising supplies of all kinds and every description for sale at "price wrecking" figures. If you don't find what you are looking for, write for their big thousand page "Price Wrecker," No. 204, which is free, if you mention this paper.

DAISY FLY KILLER placed anywhere, attracts & kills all flies Neat, clean, ornamental, convenient, cheap. Lasts All Season. Made of metal, cannot spill or tip over, will not soil or injure anything. Guaranteed effective. Of all dealers or sent prepaid for 20c.



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GOLD WEDDING RING FREE

Send for 10 packages of our beautiful silk and gold embossed post cards to distribute at 10c each. Return us the $1 when collected and we will send you by return mail this very fine 14K gold filled heavy band ring, not the cheap kind. Address, R.F. MOSER, 332 Household Bldg., Topeka, Kan.

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Large sample package by mail, 16 cents; two packages, 25 cents. Stamps taken. Satisfaction guaranteed.

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Our handsome booklet tells all about it.

"Makes Cooking Easy."

Famous For Baking

No fussy ornamentation or fancy nickel on the Plain Cabinet Glenwood. Just the natural black iron finish. "The Mission Style" applied to a range.

The Broad, Square Oven

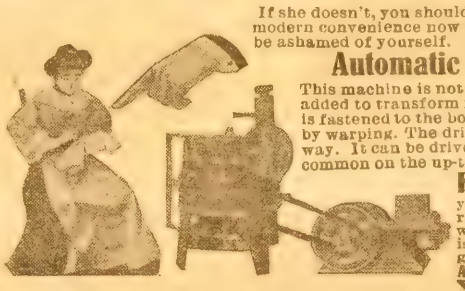
with perfectly straight sides, is very roomy. The Glenwood Oven Heat Indicator, Improved Baking Damper, Sectional Top, Drawout Grate, Ash-Pan and Large Copper Reservoir are each worthy of special mention. It can be furnished with fire box at either right or left of oven as ordered.

Cabinet Glenwood

Write for handsome booklet No. 2 of the Plain Cabinet Glenwood to Weir Stove Co., Taunton, Mass.

Does Your Wife Do This On Wash Days?

If she doesn't, you should have a sliding plow, manure spreader, or other modern convenience now regarded as necessary on the farm. You ought to be ashamed of yourself. Go today and buy

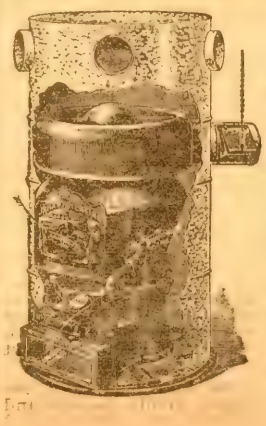


Automatic Power Washer With REVERSIBLE WRINGER

This machine is not a hand-power washer with certain attachments added to transform it into a power washer. None of the machinery is fastened to the bottom of the tub, to be drawn out of alignment by warping. The driving belt is on the left side, entirely out of the way. It can be driven by one of the small gasoline engines now so common on the up-to-date farm.

Free Booklet Get our free booklet and learn all about it. Get busy before your wife is compelled to do any of those nerve-racking, disposition-destroying spring or summer washings. One man who bought one of our washers is bragging about his wife taking on some of her girlhood beauty and spirit again.

Automatic Electric Washer Co., Newton, Iowa



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Our monthly installment plan of selling direct saves you all the dealer's profit and his excessive charges for installation and repairs. You can save at least ⅓ the cost of your furnace. We have been building Jahant Furnaces for over thirty years and guarantee perfect satisfaction. Let us tell you why the

JAHANT DOWN DRAFT FURNACE

Is the best Heating System made for residences, schools, hotels, churches, etc. It is the most economical furnace too and saves ⅓ to ½ the cost of fuel because the patented "Down-Draft System" burns hard or soft coal, wood or lignite, and burns it ALL without cinders, clinkers or any waste. Needs less attention, yet heats much better than any other furnace, hot air, steam or hot water heating system. Our "Installment Plan" of monthly payments by which you pay

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makes it easy for any one to have the best heating system made.

We send complete outfit, furnace, pipes, registers, etc., together with special plans, full directions and all tools for installing. If you can drive a nail you can install a Jahant Furnace without the aid of a tinner.

Write To-day for Catalog which explains the Jahant Down-Draft System and tells why it gives more heat at less cost than any other system of hot air, steam or hot water heating.

THE JAHANT HEATING CO., 209 Howard St., Akron, O.

EXCESSIVE ENTERTAINMENT

PEOPLE ought to be sociable. Friends should exchange visits, and even strangers may visit, preferably on invitation, but in the country where there is less formality, and, greater latitude is allowed they may do so in order to become acquainted. But too often visits are made a task to the host and a trial to the visitor by excessive entertainment. A true visit is a season of rest for both visitor and visited, but such occasions are too often made a period of work and worry for the entire household that is visited and of anxiety and fatigue for the visiting party.

When word is received that a visit may be expected at a time named, the entire household is thrown into confusion. There must be a general cleaning up and everything must be rearranged. The kitchen must be overhauled, and the larder replenished with different, and what are considered better articles. There must be a season of baking and on the arrival of the visitors and during his, or her, or their stay, the table must be more abundantly supplied, and with articles of food that are a rarity in the family.

All this preparation is painful to the thoughtful and considerate guest. No one worthy to be entertained is deceived, and there is an unpleasant feeling in consequence of it that the visit is a burden. Real entertainment is to make the guest feel at home, with as little change as possible in the home life of the family visited. That certain plans are arranged and means devised for special entertainment is right enough, and ought to be understood and appreciated by the guests, but the even tenor of the home life should not be disturbed.

And the guest owes much to the host. A visitor should drop gracefully into the home ways of the family so as to cause the least possible change in the home life. It is a very inconsiderate guest that expects the family interests to be sunk in the strained efforts at entertainment. Unless a visit adds to the pleasure of all the parties, and leaves no regrets on account of it, it would be better not to be made.

Miss Abby's Old Cat

Miss Abby looked in perplexity from the scrap of beef to the cup of milk. Thomas also looked with wistful eyes but only at the meat.

"Now," communed Miss Abby, "if I give Tom that meat I won't have anything but bread for my dinner, and if I give him milk, he won't eat when he knows there's meat in the house.

It was a weighty question, but the meat looked and smelled just as appetizing to Miss Abby as it did to Tom and she yielded, with a guilty sense of selfishness, to her own craving. The meat was put carefully in the cupboard.

Miss Abby was thin and the lines of her face constantly proclaimed a state of anxious worry. Even her most careful efforts could no longer hide the shabbiness of her dress.

The litle house in which she lived was in keeping with its inmate. The roof sagged and leaked, the paint was hardly distinguishable and the rotting sills and boards of the floor made walking an art. However, it bravely hid its dilapidations with a profusion of vines and bushes. Miss Abby, too, bore herself with an air that gallantly, though vainly strove to hide the encroachment of her poverty.

For years she had supplemented the small property left her by her father by patient sewing. But now there were three dressmakers in Akron and many women who took in plain sewing. Handicapped by failing eyesight, Miss Abby was distanced in the race by her younger, stronger competitors but, with the pride of a thoroughbred, she struggled on.

Not even the neighbors knew how her heart sank and how her soul cringed within her as as the days went by and the little sum in the bank melted. For weeks she had studied to economize in her expenses, now she could reduce them no lower. Scanty purchases of enough food to sustain life were all she made and she had marked a day on her calendar when there would be no money even for food.

In the midst of Miss Abby's anxious calculations, bright scenes from her happier youth would crowd in and set her musing, half in pleasure, half in pain. Before her eyes flitted schooldays and schoolmates, parties where she recalled with satisfaction her pretty dresses, picnics and drives, and through all the past days one figure stood out clearly, even though she tried to blur its image. There was one long drive that strugled to be lived over in fancy, but Miss Abby always forced it out of her day dreams. She could not look back on the day when, through false pride and stubberness on both sides, Nathan Dean and she had quarreled and he had taken back his ring and parted from her. Rather than think of this, she would recall her thoughts to the ever present terror that haunted her weary soul.

Thomas, her only confidant and cherished companion, had a most vigorous appetite. Miss Abby viewed daily with alarm the amount that he devoured and which he emphaticaly declared was not enough.

When the little hoard was exhausted, Miss Abby would be obliged to seek refuge with her only relative, a crusty old farmer. For sheer decency's sake, her cousin could not refuse her a home, but there, she knew well, his generisity would cease. Thomas, it was plain, could not accompany her. Neither could she leave the petted creature to the misery of the homeless. In mercy to him, he must die! Miss Abby's reason approved but her heart cried against it. For days she thought of plans by which an unsuspecting cat could be lured to death, but she shrank in horror from each.

At last opportunity and Miss Abby met face to face. This morning a black-bearded, plainly dressed man walked up the path and knocked at the door.

"A tramp, the very thing!" rashly concluded near-sighted Miss Abby from her vantage point behind the window curtain. Gathering her courage, she opened the door and plunged hurriedly into subject before her modicum of vador could desert her.

"Can you kill a cat without pain?"

The man, astonished, forgot the polite greeting he had planned and stared at her i nan embarrassed manner.

"Can you do it without pain?" again demanded Miss Abby in trembling tones.

"Pain to me or the cat?" queried the stranger with an odd choke in his voice.

"To the cat," said Miss Abby, oblivious both to the idea of humor or to the stranger's possible suffering in becoming executioner.

Then as the man still hesitated, in desperation, she offered to give him his dinner. She hastily set out the mouthful of food that was to have constituted her midday meal.

"You can eat just as soon as you kill him." Miss Abby, well aware of the virtues of of tramptdom, had no intention of losing her dinner and keeping her cat too.

The man said nothing, but his black eyes searched the depth of the empty cupboard, roved around the bare little room and last rested on Miss Abby in her faded, patched gown, with a queer, misty gleam. Then he picked up sleepy, confiding Thomas and walked out. As he disappeared around the corner of the house Miss Abby buried her face in the wiping towel and stuffed it tightly into her ears. Her heart throbbed so she thought each beat was the thud of a blow on Thomas' soft gray head. How she should miss him! She held her breath until the footsteps approached again.

As the man stepped into the door, Miss Abby's nerve gave way.

"Oh, Tom! Tom!" she wailed, regardless of the tramp. "My poor cat! I ought to have given him half. I could have got on with less." She was beyond caring for anyone's presence now and she sobbed hysterically for a few moments.

When she looked up the man still stood waiting, his dark eyes fixed steadily upon her.

"There's all I have on the table," she said, "and I've no money to pay you."

"I must be getting pretty old and changed, Abby," he responded. "Don't you remember Nate Dean?"

"Nate Dean! I thought you were a tramp," gasped Miss Abby in consternation.

"I've made a little money," he continued, "and have bought the old Gregg place. I am going to settle down here for the rest of my days." He paused in embarrassment and Miss Abby, her cheeks very red and her eyes shining with a feeling that she was far too startled to realize they were revealing, took a timid step tiward him.

His wistful eyes read the mute language of Miss Abby's trembling lips and he lifted his head and spoke in ringing confident tones: "I've come to see if you and I can't pick up life where we dropped it so many years ago. I'm getting pretty well along in years and I see things different now. I've always felt that life was empty without you and that we made a terrible mistake in parting. Can you forgive me, Abby?"

Miss Abby looked at him a moment, at his square shoulders which could bear so easily the burden weighing her down, at his honest eyes and into her harrassed soul came a great peace.

Her trembling hands went out and met his in one firm clasp that told to each more plainly than words the story of lonesome years of regret and repentance.

Then she said with a choke, "If I'd only known—and Tom could have had plenty to eat after all."

"Oh, your Tom's all right, under a washtub out there," said her lover with a happy laugh. "I thought I might as well save him, the Gregg place is running over with mice and we'll need a good cat to start housekeeping with."

Then as he bent to kiss her, faint reproachful meows began to fill the air and to float like a benediction over their bowed heads.—*May Day Bancroft, in the Journal of Agriculture.*

Stock Up with Fresh Soda Crackers

Instead of getting a large package of ***loose*** soda crackers that soon grow stale—stock your pantry with small ***tight*** packages containing

Uneeda Biscuit

Fresh soda crackers every time you eat—the last as fresh as the first—because they are placed in moisture proof packages the moment they leave the oven.

5¢ (Never Sold in Bulk)

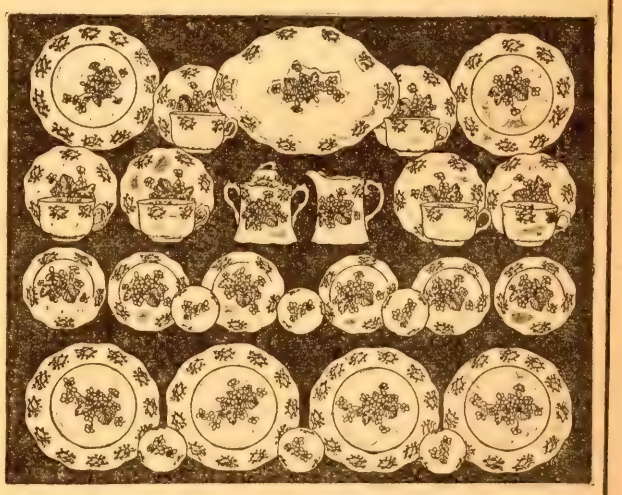
NATIONAL BISCUIT COMPANY

FREE This Grand Empire Dinner Set FREE

I am going to give every woman who answers this advertisement one of these Grand Empire Dinner Sets.

Never before was a plan devised that was quite so simple and easy, and never before was such a valuable and beautiful Dinner Set given which required so short a time or such small effort to get.

This Grand Empire Dinner Set is a high-art production of the famous Carrolliton Potteries, noted makers of American Chinaware, which in itself is sufficient guarantee of the excellent quality of the Empire China Sets, which comprises 34 pieces in all. Each made from clays imported from Europe which places it on a par with the finest of imported ware. They are all of the highest grade (not seconds), light in weight, very tough and very durable, snowy white in color, except the decorations, with Haviland glaze which gives it a smooth and velvety appearance.



THE DECORATIONS

The small reproduction can give you but a faint suggestion of the artistic effects of pleasing colors. Purple petalled wood violets with broad green leaves against a background of vining ferns compose the center ornamentations, while the burnished gold scroll forms the border design of each individual piece, and, best of all, the decorations are buuned into the China and are therefore as permanent as the China itself.

Read My Easy Plan for Getting this Wonderful Empire Dinner Set.

DO NOT SEND ANY MONEY. Just write me a card and say you want the Empire Dinner Set, and I will then send you, all charges paid, 16 sets of Post Cards (20 Cards to the set.) These are the most beautiful Post Cards published in America, I trust you with these Cards—**I don't want any money in advance.** I want you to give one set of 20 Post Cards to 16 of your friends—**which is only a part of my great 25-cent Introductory Offer.** This offer is so very liberal that almost everyone will be glad to accept. When you have distributed the 16 sets of Post Cards on my Special 25-cent Introductory Offer, I will send you immediately this grand Empire Dinner Set.

I POSITIVELY GUARANTEE the safe delivery of each individual piece of China, and that the distribution of the Post Cards will be easy, simple and quick work. If found otherwise, the goods can be returned at my expense.

Send me your name and address today. Do not send any money. I will then send you the outfit, all charges paid. It will be only a few days until you have this grand collection of Empire China.

H. L. SIMMONS President 51 Factory Street, SPRINGFIELD, OHIO

20 Beautiful Post Cards 10¢
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STEM WIND & SET

WATCH RING & CHAIN FREE
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We positively give FREE a STEM WIND, STEM SET, BEAUTIFULLY ENGRAVED, Plated WATCH, equal in appearance to Solid Gold Watch, American made, guaranteed 5 years, and a beautiful Ring set with an Im. Diamond, for selling only 20 packages of beautiful high grade art post cards at 10c a package. Order 20 packages, and when sold, send us $2, and we will positively send you the Watch, Ring & Chain. **WILLARD WATCH CO., Dept. 937 CHICAGO**

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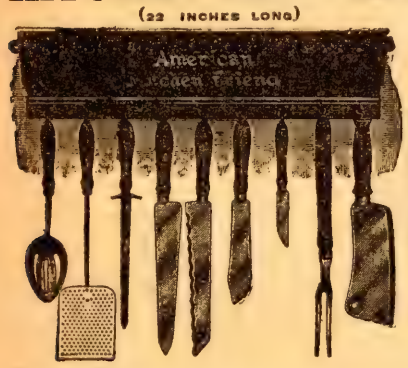
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Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

Name.....

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St. or R. F. D..... State.....

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

All the Cadets remember Nellie Tipton, the patient little crippled Cadet of Maryville, Tennessee. Miss Martha Elizabeth Harmon of Lashmeet, West Virginia, has started a chain letter to result in furnishing unfortunate little Nellie, who, in spite of her affliction, has wonderful musical talent, a piano, and requested us to publish the chain letter in UP-TO-DATE. The rules and regulations of the Post Office Department do not allow us to do so. Otherwise we would be glad to thus assist such a movement. We will say, though that the rule does not forbid any person sending any little amount he choses or from getting others to do the same.

I again turn with pleasure to the Cadet letters, a large pile of which lies before me.

Dear Cadets: We are having warm weather here now, July 27. We had a heavy rain July 14. The water got all over the bottom lands, and washed lots of people's crops away. In the middle of the road it was deep enough for a man to swim in. Many bridges were washed away. There is no fruit here this year. I have a pair of white bantams, a big watch dog, a cat, and a red and white spotted calf. I have 13 dolls, a little doll buggy, a little piano, a little trunk and valise, a cabinet, a little set of dishes and a table, and ever so many other things.—Nellie Cole, Willow Hill, Ill.

Dear Cadets: I am 14 years old. I live in Holgate, Ohio, but I am visiting with my aunt, who lives in Napoleon. My aunt lives on a farm of 120 acres, and takes Up-to-Date, which I think is fine. I am in the first year of high school. I would like to correspond with the Cadets.—Caroline Damon, Holgate, Ohio.

Dear Cadets: I am a girl 14 years old; am 4 feet 2 inches tall, and have brown hair and blue eyes. We go swimming when the water is nice, and fishing and boat riding. My sister takes Up-to-Date Farming, and it is a good paper. I want to hear from all the Cadets.—Leota Jones, Redfield, Kan.

Dear Cadets: I am 16 years old, have auburn hair, gray eyes, am 5 feet 7 inches tall, and weigh about 150 pounds. Hiawatha is a little village of some 200 people, about 15 miles from Manistigue, which is on the shores of Lake Michigan. It is quite pleasant here in summer, as there are several small lakes near, on which we can go fishing or boating. There are several resorts nearby. In the winter the snow gets to be four and five feet deep, though not every winter. Then we have coasting and skating parties. We raise corn, wheat, oats, and several other kinds of grain, and nearly all kinds of vegetables, potatoes being about the best. I suppose quite a few of the Cadets are Grangers. I was, but am not any more. We have a Grange here, and they are just finishing a nice new hall. I would like to hear from some of the Cadets.—Amy B. Kepsler, Hiawatha, Mich.

Dear Cadets: I am 21 years old, have dark hair and blue eyes, and am 5 feet 8½ inches in height. I take Up-to-Date Farming, though I do not live in the country, and have not since I can remember. We have lived in North Dakota four years, and I like it fine, though when first came I did not like it at all. Our home was in Southern Iowa before we came here. I have lived in Minnesota, Missouri, and South Dakota, besides Iowa, and North Dakota. I enjoy reading the letters from the Cadets, and would be glad to receive post cards from some of them; will try to answer all I receive.—Bessie Hunter, Grandin, N. D.

Dear Cadets: I am a little girl who lives on Trinity river, on a rocky ranch, with no fence. We can raise grasshoppers if it don't get too hot for them. Papa takes your paper, and we all get in a fight when it comes, to see who will get to read it first. But papa gets it out of the mail box when we are at school, and so he beats us. We all think it is just grand. I want to be the first one to get your set of ten new De Luxe flower and motto cards; and that other great surprise. I have two sisters and a little brother. My sister older than I plays the violin—she plays second and I play first. Our papa can play the violin fine. He is well pleased with your paper, and we hope you will always do well. I am 13 years of age, and have brown hair and black eyes.—Gifford Bennett, China Flat, California.

Dear Cadets: I live in the country, and, like many of the Cadets, I think no other place as good as the farm. We raise all kinds of grain here, but the small grain has not been very good this year on account of dry weather. Corn looks fine. I am 17 years old, have dark hair and blue eyes, am about 5 feet 4 inches tall, and weigh 145 pounds. I like to work outdoors quite well, but am generally kept busy in the house, as there are 15 here most of the timePapa has a saw mill. I subscribed for Up-to-Date last January, and I think it is a fine paper. I will be 18 October 6, and I would like to have a card shower.—Nellie Eddy, Verndale, Minn.

Dear Cadets: I am 17 years of age, have dark hair and brown eyes and a fair complexion. I live on a farm of 180 acres. We have 18 acres in corn and 22 acres in oats. We have about 300 young chickens. I have a rubber tire runabout, and a spotted pony to drive. It is about 3 miles to the city I went to college, and graduated two years ago. We are going to Atlantic City for my health. I have 5 sisters, all living, but no brother. I am the only one at home, and I have a piano and an organ. We have 10 cows and 11 calves, and 7 horses. I would like to exchange cards.—Ida R. Boyer, Shanksville, Pa

Dear Cadets: I am a West Virginia boy living back in the mountains where lots of all kinds of berries grow, as well as apples, peaches and grapes. We take Up-to-Date and think it is a fine paper. I am 16 years old, am 5 feet 9 inches high, and weigh 140 pounds. I would like to exchange cards with any of the Cadets.—Harry Foreman, Great Cacopon, West Virginia.

Dear Cadets: I am a little orphan girl 12 years old, and live on a farm of about 150 acres. I have brown hair and eyes, and am 4 feet 9 inches tall. I like country life better than city life. We have 3 horss 10 head of cattle, 13 pigs, and a lot of chickens, geese ducks, turkeys and guineas. We have 6 cows to milk. I have 3 sisters and one brother, but I am the youngest of the family. My father died when I was a year and a half old. I have been getting Up-to-Date, and I think it a fine paper, especially the Cadet page. I can hardly wait till the paper comes. We raise clover and timothy hay, corn, wheat, oats, rye, and all kinds of vegetables and fruits. There is a creek below our house, and I go fishing quite often. Sometimes I catch something and sometimes I don't.—Florence R. Saltzman, Beaver Springs, Pa.

Dear Cadets: I am a farmer's son, and live on a farm of 50 acres, in dear old West Virginia. I am 19 years old, am 5 feet 6 inches tall, and weigh 140 pounds. I have black hair and brown eyes. I am a reader of Up-to-Date, and like it all O. K. I would like to exchange cards with all of the Cadets.—Jesse J. Herron, Beverly, W. Va.

Dear Cadets: I am a farmer's daughter, and a happy one too. I live 1 mile from Peebles. I think a farmer girl or boy has a happier life than a city girl or boy. I have been taking Up-to-Date 8 months, and my father and mother and sisters think it a fine paper. So do I. I have 5 sisters and one brother. Two of my sisters are married, and live in St. Joe, Ind. my brother is with them. My oldest sister has a little baby boy, which cannot be anything but pretty and loving. This is a hilly country; it is impossible to see a neighbor's house. The farthest one can see from our place is a big hill called Peak Mountain, 8 miles from here. This is also agreat tobacco country. I am 5 feet 2 inches tall, weigh 110 pounds, and am 15 years old, my birthday being the same as Ruby Cobb's. I have a sister whose birthday is the same as Ada Bolgiano's, and she is the same age. I am a "cow boy," and like to ride horseback after the cows. My father has sold $273.-55 worth of calves in a month, and has some more to sell in a few days We came from Paulding, Ohio, 6 years ago; and I long some day to go back, as I do not like rough country. I would like to exchange post cards with some of the Cadets.—Bertha B. Mann, Peebles, Ohio.

We have again reached the limit of our space, and have to quit in the midst of some of our best letters. We wish happiness and success to all of our Cadets.

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Every farmer who is ine market for the best roofing at bargain prices, will be interested in a book issued by the Edwards Manufacturing Company. It tells the easiest way to lay roofing and contains valuable information on bargains that will save many a farmer big sums of money when the catalog gets into the hands of farmers all over America. It is a storehouse of valuable roofing tips. Every farmer should have a copy of this book, which will be sent to any address for the asking, if our readers will address at once, The Edwards Manufacturing Company, 811-851 Lock Street, Cincinnati, O., and request catalog, 851.

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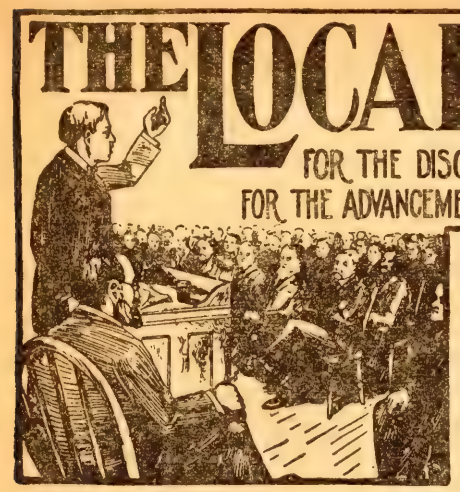
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Only reliable advertisers are admitted to our columns, and we guarantee that they will deal honestly with subscribers. Should they not, we will make good any loss to paid-in-advance subscribers. It is understood that this guarantee is not binding on the publisher unelss you mention UP-TO-DATE FARMING when you write and you report any dissatisfaction within a month of the date of the paper.

Farmers Society of Equity

A farmers' society. Its chief object is to secure profitable prices for all farm crops to the producers thereof. Its other objects, plan of operation, etc., and constitution and by-laws will be sent to all who request them.

A poor system, like the poor excuse, may be better than none, but the farmer who applies this philosophy to his marketing is not gaining much.

—o—

In this issue the opportunity is given each reader to form a definite opinion of the Equity System of marketing. See the next two pages.

—o—

Also the opportunity to test the System and determine its advantages is afforded. Considering the wide circulation of our paper, the feasibility, practicability and desirability of the System for the entire country can be tested.

—o—

Every year there are crops produced that spoil at home or after they have been shipped to market because, it is claimed, there is no demand. But is this true?

—o—

Statistics tell us that there are many million of people in the country who regularly, or at times, do not have enough to eat. Also when there are gluts on some markets there are always many others that are not fully supplied; or where the consumption is not normal because of scarcity and high prices.

—o—

We contend that as long as there is a hungry being in the world who is underfed, the food that he would consume is not a real surplus, but the problem is to get the food to that human being, and all others like him, on such terms that the cravings of hunger may be satisfied.

—o—

If that can be accomplished, or accomplished to a considerable extent; or if the supply could be distributed equally and equitably to the markets, the largest crop ever raised in this country would have all been demanded at remunerative prices to the producers.

—o—

The underlying cause of the trouble is lack of a good system of distribution. Thousands of carloads of potatoes rotted in cellars or on the fields last spring, while over the whole land the people were crying against the high cost of living. Are not potatoes good food?

—o—

The trouble was, the amount of supply was not known until the season was late. Then many handlers were loaded up with potatoes, bought at comparatively high prices which they sold as long as they could at high prices to protect themselves. Thus the demand did not have an opportunity to buy at such low prices as would stimulate consumption until the season was nearly over.

—o—

A system of crop reporting and selling that would have gotten a correct report of the supply as soon as the crop was produced could also have set a price on potatoes at the beginning of the season, fair to the producer yet low enough to increase the consumption of potatoes in preference to the very costly food products. This would also have had a good effect in pulling the prices of the articles thus discriminated against, down, thus working a double benefit.

—o—

And potatoes are not the only commodity. The same condition frequently applies to many other products of the farm, garden and orchard.

—o—

It is to remedy this condition and to solve the problem of distribution of farm products and equitable prices to both producers and consumers, that the Farmers Society of Equity is organizing. Those people who study its Equity System of Marketing can judge for themselves whether it has a good chance to accomplish its purpose.

—o—

Just as we come to this point in our writing the following letter came to our desk:

Newman Grove, Neb. Aug. 21, 1910.
To The Editor.

Dear Sir: I wish you would give me some advice as to the future market for grain. Prices here are very low; corn is 46 cents; oats 27 cents and wheat 82 cents. Many farmers are holding their crops, especially corn. The elevator manager says that the price won't go up very much, if any at all, because the prospect for a good crop over the country this year is very favorable. I see that many farm papers say that the condition of the corn crop is very unsatisfactory, due to the dry weather over the country. What is the cause of the low prices? Should we sell or keep our grain till later?—P. H. Backernd.

—o—

The condition, Mr. Backernd, is the usual one, during the early marketing season, under the old system. The whole effort of the Board of Trade system is to buy grain at the very lowest point. And when it comes to the local elevator manager he is justified in buying as low as he can, because there is a chance of the market that he ships to going down, therefore, he seeks the widest possible margin to protect himself. But to misrepresent about the crop or crop prospects is dishonest. True, he may not know the facts; few such men do. They simply have their stock arguments to bear the prices and they use them. The prospects for a record-breaking corn crop are not good now. It is likely to average along with the crops of 1906 to 1909. If it does we may infer that the prices will behave about the same way, except there is one uncertain factor that we will refer to below.

—o—

So our readers may judge of about what they may expect if they hold corn now we submit the following table of Chicago prices:

Corn crop	Yield bu.	Aug. low	Dec. low	Aug. following
1906	2,927,000,000	48½c	40c	54@61½c
1907	2,598,000,000	54c	57½c	77½@80c
1908	2,668,000,000	77½c	56¾c	66½@70c
1909	2,772,000,000	66½c	62½c	60@62c

—o—

It will be noticed that the person who held corn from August 1906 or August 1907, made money. But if he held from August 1908 or 1909, until the next August he lost money. We believe, however, a great factor in prices in 1908 and 1909 was the fact that the old Society of Equity, and which was the chief factor in helping farmers to get better prices during 1903 down to 1907, had lost its influence and the new Society has not yet supplied the void.

Our advice is to withold all the grain rather than sell at the local prices. But there are places in the country that will pay more and we refer you to page 17. See the needs of the markets as given on that page and correspond. Also, see "The Telescope" department for crop and market reports.

READERS, ATTENTION

When you have read and thoroughly absorbed all the contents of this paper hand it to a neighbor so he can read and profit by it. He will appreciate it. Or, better yet, get his subscription and send it in. Only 25 cents for a year, for a short time yet.

WRITE DISTINCTLY

Please, when addressing this office, write all names and address very distinctly. Write them so plainly that they can be read at a glance, if possible. No person outside of an office that has correspondence with people who still write with pens or pencils can appreciate the amount of time consumed in deciphering badly written addresses. But the most serious matter is that many of them cannot be correctly read and matter cannot be sent or, if sent, may not reach the right party.

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This change comes rapidly. The results are lasting. It is absolutely safe, containing no injurious ingredients whatever. *Absolutely different from anything ever before been used for nerves.*

A high medical authority says: "In the forms of neurasthenia it deserves the unique position of being the *only* treatment which is *curative*, dispensing with all treatments of rest, travel, diversion of mind, dietetics and physico-mechanics."

Every man and woman suffering with fagged, weak nerves, nervous prostration, excessive nervousness, brain fag, insomnia, neuralgia, low vitality, general weariness, loss of strength and weight, or any condition which arises from poor, weak nerves, may now get "nerves of steel," clear head, courage, power, quick wit, energy, by taking this great discovery. Kellog's Sanitone Wafers.

FREE *Prove the merits of this great discovery for nerves, FREE. It speaks for itself. A trial package of this great nerve awakener will be sent free in sealed wrapper, by return mail, to every man or woman who sends his or her name and address as instructed below. Do it today. A revelation is in store for you.*

FOR MEN. Nerve-force gone! You are what your nerves are, nothing else. If you feel all run-down from overwork or other causes, if you suffer from insomnia, "caved in" feeling, brain fag, extreme nervousness, peevishness, gloominess, worry, cloudy brain, loss of ambition, energy and vitality, loss of weight and digestion, constipation, headaches, neuralgia, or the debilitatating effects of tobacco or drink, send for the free trial package of Kellogg's Sanitone Wafers.

FOR WOMEN. If you suffer from nervous breakdown, extreme nervousness, "blue" spells, desire to cry, worry, neuralgia, back pains, loss of weight or appetite, sleeplessness, headaches, and constipation, and are all out-of-sorts, Kellogg's Sanitone Wafers will make you feel that there is more to life than you ever realized before. Send today for the free trial package.

No more need of dieting, diversion, tiresome exercises, dangerous drugs, electricity, massage, or anything else—Kellogg's Sanitone Wafers do the work for each and all, give you nerve-force and make you love to live.

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A trial package of this great discovery will prove that they do the work. They are guaranteed—every wafer. Send your name and address today for the free trial package of Kellogg's Sanitone Wafers, to F. J. Kellogg Co., 114 Jefferson Ave., Battle Creek, Michigan, in the city of peace, happiness and health.

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F. J. KELLOGG CO.
114 Jefferson Ave., Battle Creek, Mich.

Send me by return mail, free of charge, a trial package of the wonderful discovery for nerves, Kellogg's Sanitone Wafers.

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When to Sell Where to Sell How to Sell

When you have anything to sell send it to "The Equity System" in any of the cities below. If time to correspond before shipping it is always advisable as in that way the best market can be selected. Shipments should be made in car-load lots, for bulky goods. If one farmer has not enough, neighbors can join together.

Each representative has been selected with particular reference to honesty, responsibility, ability and moral character. Also most of them are bonded. Settlements will always be made direct to the shipper.

Mark all shipments "The Equity System" and address all correspondence the same way. Farmers must do more of their own business in the future, therefore they should embrace every opportunity to become proficient in grading and shipping their crops. The various representatives named below will co-operate with them.

One of the chief objects of The Equity System of marketing is to send the supply direct from the farm to the demand, thus avoiding many toll gates that beset the old system. We particularly suggest to Northern producers that they seek markets for their grain, hay, etc., direct to the Southern and Eastern States.

Remember that you can send a night letter (50 word telegram) from any telegraph office for the day rate for ten words.

Always notify The Equity System in the city when making any shipments, also duplicate of notice to Farmers Society of Equity Indianapolis, Ind.

ALABAMA

BIRMINGHAM—We are especially in need of Apples, Potatoes and Onions. Cabbage also, but don't ship the latter before writing us. We want to get actively connected with the produeers right away. —The Equity System. (Pankey & Holmes).

HUNTSVILLE—We want No. 2 Mixed and Yellow Corn; No. 2 White Oats; No. 1 Timothy and No. 1 Timothy and Clover, Mixed Hay,—The Equity System. (W. L. Lyle.)

MOBILE—We need Oats, Corn, Beans, Potatoes, Hay (timothy, alfalfa and Johnson grass), Rice. Straw, Vegetables, Eggs, Poultry, Lemons, Cabbage, Onions, Melons, Broom Corn, Apples, Dried Fruit, Cheese. Consign or negotiate advance sales.—The Equity System. (Thos. Partridge).

MONTGOMERY—Home supply of Apples. Potatoes, Onions, Cabbage, etc., exhausted and supplies must come from the North. Confer by letter or wire.—The Equity System. (Thos. Howe.).

ARKANSAS

FORT SMITH—Demand suplied very well now by local growers. A little later we will need Potatoes, Cabbage and Onions. We aways are in the market for Oranges and Lemons...The Equity System. (Johnson & Hunt).

PINE BLUFFS—The Equity System. V. M. Harrison).

CALIFORNIA

LOS ANGELES—The Equity System. (John F. Allen & Co.)

COLORADO

DENVER—Our market needs Fruit and Vegetables, especially Yellow Globe Danvers Onions that are large, clean and dry. Shippers must keep in mind that Denver consumers demand good quality and good pack on everything and pay good prices. Also correspond with us about grain, live stock, etc., as a large city ilke ours takes an immense quantity of all kinds of farm produce. Local unions and members in Colorado are especially invited to write us. —The Equity System. (Barry & Green).

ILLINOIS

CAIRO—The Equity System. (Alf. T. E. Haynes & Co.)

CHICAGO—Our market is pretty well crowded with almost everything now of low grades, but a good demand for fancy grades. Demand for Eggs very good., also for fancy fruits and vegetables. As soon as weather is cooler demand will be better. We advise reporting what you have to offer and we will quote.—The Equity System. (M. George & Co.)

PEORIA AND NORTHERN CENTRAL ILLINOIS—Potatoes needed badly. Good demand for Peaches and N. Y. Bartlet Pears. A little later we will need many Apples and fruit of all kinds.—The Equity System. (Wolter Bros.)

INDIANA

INDIANAPOLIS—At present over supplied with Appes, but correspond. Want Cantaloupes, Potatoes, Cabbage, Peaches, Watermelons. The best way is to report what you will have and when ready so we can write or wire when price is high. Also grain and live stock.—The Equity System. (Farmers Society of Equity.)

TERRE HAUTE—The Equity System. (L. E. Walker).

IOWA

BURLINGTON—Our market can take quite a large quantity of Virginia Sweet Potatoes. As soon as Michigan Grapes, Plums, Etc., are ready we will want them. There is a demand at all time for seasonable fruits and vegetables.—The Equity System. (Hume Brokerage Co.)

KANSAS

ATCHISON—The Equity System. (W. L. Stalons).

KENTUCKY

LOUISVILLE—Fancy Free-Stone Peaches, Cantaloupes and Water Melons of first class quality can be marketed here at satisfactory prices. At present our market is largely supplied with home-grown crops. We have plenty of fine Potatoes to ship on short notice.—The Equity System. (Jos. Denunzio Fruit Co).

Also the following:

LOUISVILLE—Our market is very much in need of Green Apples, also dried fruits of all kinds. This is the largest market for sun-dried fruit in the U. S. and better prices are paid than elsewhere. Also this market is first class for farm Butter, all kinds of Hay, Grain and Straw. We can get splendid prices for all the live Poultry sent us now. Also if any of your members have medicinal roots this is the market for them.—The Equity System.

LOUISIANA

NEW ORLEANS—Our market needs considerable quantities of Cabbage, Onions, Potatoes, and Apples. All Cabbage and Apples are being received in refrigeration. Cabbage is now coming from Virginia and Illinois. Also Corn, Oats and other feed.—The Equity System. (Kohlman Bros. & Sugarman).

MARYLAND

BALTIMORE—Always an open market for all farm crops. One of the great grain markets of the country. We will be glad to quote on any specific offerings or receive consignments and make quick sales and returns.—The Equity System. (Thos. Bond & Son).

MASSACHUSETTS

BOSTON—This market needs everything produced on the farm at all times. Prices are well maintained on everything in the fruit and produce lines. However intend-shippers shoud write or wire (night letter) for market and outlook on anything they have to ship. Fruit and produce are specialties here but Grain, Hay and all feed stuffs find a good market here.—The Equity System. (O. E. Spooner).

MICHIGAN

DETROIT—Beans, Potatoes, Fruit and other produce constantly needed in our market. Also Grain, Live Stock and seeds. This is one of the best markets for Clover Seed.—The Equity System. (Fred Rush & Co.)

GRAND RAPIDS—Osage Melons and Watermelons, Potatoes, Fruit of all kinds, Live Poultry, Veal Calves, Butter, Onions and most every kind of produce is needed. —The Equity System. (W. L. Freeman).

SAGINAW AND BAY CITY—We need well cured Yellow Danvers, or Yellow Globe and Red Onions. Nothing else now of Vegetables, Fruit or Grain. But will need other things soon and want to hear from shippers.—The Equity System. (H. E. Buck).

MINNESOTA

DULUTH—The market needs Apples in large quantities and we want to get in correspondence with people having them, at once. Also we must have Grapes and Pears.—The Equity System. (Palmer Commission Company)

ST. PAUL—Our market needs all kinds of fruit as the drought has cut off all Apples and small fruit. We also want Potatoes, good ones. Also must have Cabbage, Onions, Rutabagas and, in fact all Vegetables.—The Equity System. (C. C. Emerson & Co.)

MISSOURI

KANSAS CITY—Our market needs particularly good Potatoes. Onions are also scarce. The market is well supplied with Cantaloupes, Watermelons and other fruit and vegetables. But conditions will change and we want to be in touch with your shippers for all produce and live stock. —The Equity System. (C. C. Clemons Produce Co.)

ST. LOUIS—We need Apples, Watermelons, Cantaloupes, Peaches, Grapes, etc. Beginning Sept. 1, we wil need great quantities of Northern, Domestic and Holland Seed Cabbage. This market is always open for grain, hay, live stock and produce of all kinds. We suggest that intending shippers communicate with us so that we may keep them closely advised.—The Equity System. (A. J. Niermann & Co.)

NEBRASKA

OMAHA—This market requires nearly everything in the vegetable and fruit line, including Onions, Cabbage, Potatoes and Apples. Crops are very light in our section. We want people having farm produce to correspond with us. Also grain and live stock.—The Equity System. (Snyder-Trimble Co.)

NEW JERSEY

NEWARK—We want Potatoes, Apples, Cabbage, Live and Dressed Poultry, Eggs and Veal, Corn, Oats and other grain. Write or wire for quotations. Checks mailed the day stuff is sold.—The Equity System. (Vreeland & Martin Co).

NEW YORK

ALBANY—The Equity System. (Dubuque & Munro).

BUFFALO—We especially need Colorado Rocky Fords and Peaches. Other special needs arise daily. Correspond.—The Equity System. (Brennisen & Co.)

ROCHESTER—The Equity System. (Allen Fruit Co.)

NEW YORK—This is the greatest consuming market in the country. To enumerate what we need would include every known kind of farm, field, garden and orchard crops. Consignments will be given careful attention and I will be glad to correspond with prospective shippers and help them to market at the best time.—The Equity System. (Vincent R. Lamia).

SYRACUSE—The Equity System. (Dubuque & Munro).

NORTH CAROLINA

RALEIGH—For the next ninety days this market will be excellent for Potatoes, Cabbage, Onions and Apples. We have a good many schools in our city and being the Capitol of the State our markets demand the very best, especially of Apples and Potatoes. We can use above in carloads, but in the next 30 days prefer them in mixed car-loads. Our market is also good at all times for chickens and Eggs.—The Equity System. (W. L.Brogden & Co.)

WILLMINGTON—We need Corn, in 2 bu. sacks and Oats in 5 bu. sacks all the time. The market here for No. 2 mixed corn is 78c and No. 2 white, 79c. By the middle to last of Sept. will need Potatoes Vegetables and fruits from the North.—The Equity System. (R. H. Pickett).

(See Local Union page for report of corn selling at Nebraska country points at 43 cents. We want to connect such place with Eastern and Southern markets.—ED.)

NORTH DAKOTA

BISMARCK—Butter, Eggs and Potatoes are needed here most.—The Equity System. (Bismarck Com. Co.)

FARGO—Our market is strong on Timothy seed, Potatoes, fancy Oots, Barley and Flax.—The Equity System. (Magill & Co.)

GRAND FORKS—Our market is exceptionally good for almost any quantity of Hay, Oats, Corn and Potatoes. There is a great scarcity of these items in this State. Please direct the attention of some of the growers to this market.—The Equity System. (Reid & Sorlie).

OHIO

CINCINNATI—A great market for grain of all kinds. Apples, Peaches, Damson and Lombard Plums, Bartlett Pears, Potatoes, Cabbage, Butter, Eggs, Calves, Lambs, Etc. Let us know what you have for offers.—The Equity System. (F. L. Gloystein & Co.)

COLUMBUS—The demand in Central Ohio this year is exceptionaly good for potatoes and we look for an excellent season's business for growers who ship here. The Ohio crop is not only short in quantity but undersize. There is also an excellent demand for Watermelons.—The Equity System. (The Nelson-Sheppard Co.)

TOLEDO—Beans, Potatoes, Apples, Watermelons, Cantaloupes, Sweet Potatoes. Also other articles come into prominence every few days. We want your people to supply our needs.—The Equity System. (W. O. Brown, Jr.)

OKLAHOMA

OKLAHOMA CITY—Our market needs Cantaloupes, Cabbage, Potatoes, Grapes, Celery, Etc. We prefer to negotiate price for car-load lots in advance of shipping.—The Equity System. (Interstate Brokerage Co.)

PENNSYLVANIA

HARRISBURG—Our market is bare of Potatoes; also Peaches, Plums, Apples, Melons and Cantaloupes. We need shipments. —The Equity System. (J. F. Feeser).

JOHNSTOWN—This is the center of a great mining and manufacturing region and practically all food for man and beast must be shipped in. Correspondence or consignments requested.—The Equity System. (R. P. Smith).

PHILADELPHIA—The vast volume of Fruit, Vegetables, Poultry, Eggs, Grain and Meat required by this city is almost beyond the comprehension of man. This market, and adjacent territory that is supplied through it, consume neary 1,000 cars of fruit and vegetables dailly. Practically all of this is shipped in. Ours is always an open market for the West and Northwest. Our consumers, as a rule are particular and care should be exercised in grading and packing. They are willing to pay a good price for the quality. As the railroads charge the same on low quality-goods as on high the shipper will naturally want to ship the best he can. We wil be pleased to answer all communications bearing on what and how to ship to our market.—The Equity System. (J. P. Moyer & Co.)

PITTSBURG—At the present time the near-by farmers are bringing in a full supply of garden products and fruit. This added to what was shipped in has made an over supply condition and low prices. We look for a change very soon and advise your people to write us what they have and await our advices.—The Equity System. (Iron City Produce Co.)

SCRANTON—Our market demands Hay, Potatoes, Onions, Oats, Corn, Butter and Eggs. Other needs will be constantly appearing. Correspond.—The Equity System. (H. M. Wood).

WILKES BARRE—This market is usually exceptionally good on any kind of farm produce. Ours is a mining section and not much land for cultivation. Intending shippers should write or wire night letter.—The Equity System. (Chase Bros).

RHODE ISLAND

PROVIDENCE—Large demand for Onions, Potatoes, Apples, Cabbage and all other Vegetables; California, Florida and other fruit. Onions can be marketed here from this time forward from the West as far as Indiana. Pears and peaches in big demand. Take up with us what you have to offer.—The Equity System. (Providence Brokerage Co.)

TENNESSEE

CHATTANOOGA—All kinds of produce. This is a great manufacturing city and we expect a good Fall and Winter business here on all lines of farm produce including grain. Care must be exercised in grading and shipping to get best results. —The Equity System. (H. D. Phillips.)

KNOXVILLE—The Equity System.—(D. L. Ross).

MEMPHIS—All kinds of produce and fruits, particularly Potatoes. Apples, Cabbage and Onions are at present in big demand and selling good prices. One exception is Watermelons which will also be needed soon. Corn and Oats find good markets here.—The Equity System. (Asher Bros.)

NASHVILLE—The Equity System.—(Cummins-Bennett Co.)

TEXAS

AUSTIN TEXAS—We need California Burbank Potatoes, Australian Brown Onions from California, in straight or mixed cars. Also Cal. Apples; Arroostook County. Maine Seed Potatoes, especially Red Bliss Triumphs. Also Cabbage and some other things. We want to get in touch with car lot shippers.—The Equity System. (The Ww. C. Bell Brokerage Co.)

BEAUMONT—The Equity System. (J. S. Handley).

GALVESTON—We want car lots of Apples, box stock preferred; also car lots of Potatoes, Corn, Oats, Etc. In a few days will want Northern Onions, also.—The Equity System. (Geo. Sgitcovich).

FORT WORTH—Our needs for the next 30 days will be mainly Potatoes, Onions, Cabbage and Apples. In shipping, discard all small stock in Onions; send small to medium, firm heads of Cabbage; Eorly Ohio, or any other early variety of Potatoes is in good demand at once, Johnathan Apples preferred in regular Colorado style box but barrel stock will sell. Advise this market immediately what you have to offer and we will post you.—The Equity System. (Montgomery & Company).

HOUSTON—The Equity System. J. S. Handley).

UTAH

SALT LAKE CITY—Correspond with us. The Equity System. (Elggren Bros. & Co.)

WISCONSIN

MILWAUKEE—Correspond with us before shipping.—The Equity System. (A. Grosenback & Co.)

VIRGINIA

LYNCHBURG—Correspond with this market.—The Equity System. (Davidson Brothers).

RICHMOND— Between seasons here our market is supplied with Vegetables and Fruit by local growers. Very soon however, we will need them from the North and West. We need Grain, Hay, Etc., all the time. Correspond with us now.—The Equity System. (W. P. Adkins & Co.)

NORFOLK—We want new hay in small or medium bales, car loads. Our supply usually comes from Ohio. Also we will want car loads of Grapes as soon as ready, principally Concords and Delawares, in 5 lb. pony baskets. All inquiries about this market will be answered promptly.—The Equity System. (L. W. Powers.)

Market No More Crops the Old Way
The Equity System Is Better



It Will Cost You a Two Cent Stamp

and not one cent more to learn all about this improved System of marketing farm crops. Market no more crops the old way but ship everything to "**THE EQUITY SYSTEM**" on the market you select. If not compelled to ship immediately correspond with "The Equity System" and learn where the best market is. Also immediately; that is, before you lay this paper down cut out the coupon below and send it for complete particulars of The Equity System and how to use it to get the best results.

Don't neglect to send the coupon. This is a co-operative movement and it is important that the headquarters of the Farmers Society of Equity knows who is going to use the System and it will render invaluable assistance.

We cannot explain The Equity System in this advertisement. It takes a book to explain it fully and enumerate its many advantages. But don't delay using the System if you are ready to sell any crops, while waiting for the book. Write at once to any market and report what you have. Then ship where the greatest demand, expressed by the highest price, exists.

The book is called "Farmers Industrial Freedom." The first cover is illustrated in the lower left hand corner of this page. It has 64 pages and cover. The price is 10 cents, but we will make no charge if you are a farmer who raises any kind of crops to sell and will send the coupon below.

If you have marketed this year's crops send the coupon anyway and get ready for the 1911 crops.

The Purpose

The purpose of the Equity System of Marketing is to transfer the price making power from gambling and speculating Boards of Trade and Produce Exchanges in the cities to the farmers who produce the crops; from the organized **interests** in thecities to the co-operating farmers in the country. Everything will be made clear to you if you will send the coupon.

Some of the Advantages

Some of the advantages are: Direct shipping, many toll gates avoided, personal representation on all leading markets, honest grading, correct weights and count, glutted markets avoided, the highest market prices, honest returns and eventually, absolute control of marketing by the producers who will also become price makers on their own produce.

These advantages should cause the producers of all crops—grain, potatoes, live stock, cotton, hay, broom corn, rice, fruit, vegetables, poultry, eggs, dairy products, wool, tobacco, etc., to use "The Equity System."

Address simply:

THE EQUITY SYSTEM
NEW ORLEANS, LA.

or any other market where it is established. (See the preceding page).

Send the Heart Coupon before you lay this paper aside

THE EQUITY SYSTEM WILL GIVE YOU A CHANGE

IF YOU ARE TIRED OF FIGURING on the prices you hope to get for your produce and what you will buy with the money, only to find when ready to sell, that somebody else makes the price so low that all your plans were spoiled, use The Equity System of Marketing.

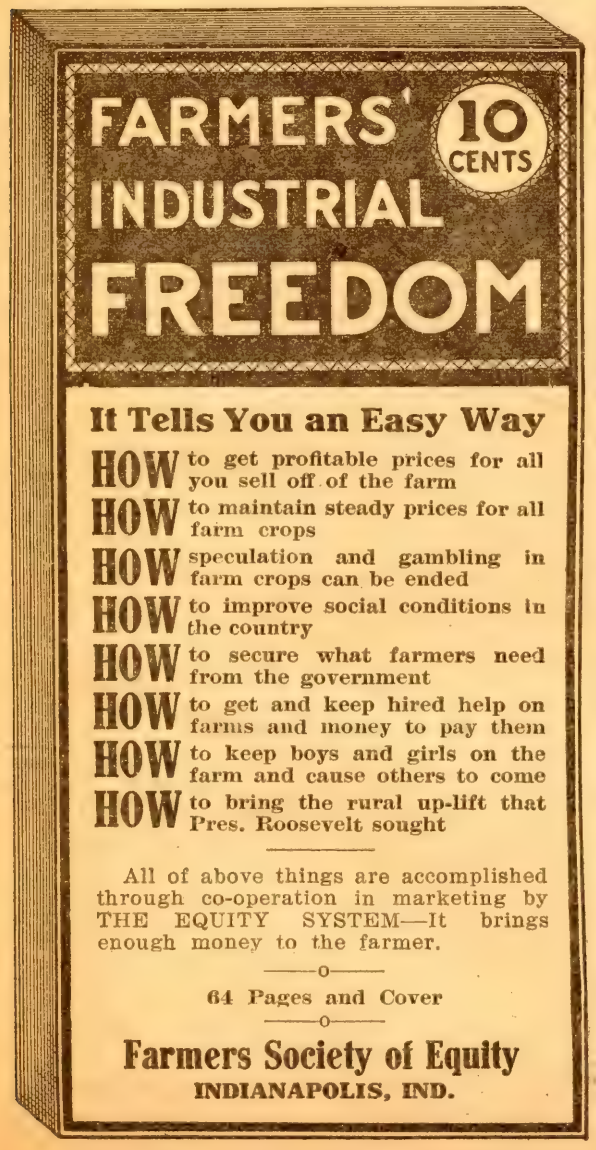
IF YOU ARE WEARY of working all summer, straining and sweating, overworking your teams, staying in the fields late at night because you can't afford to pay the price laborers demand, all to produce big crops and then be told that prices are down because of over-production, use The Equity System.

IF YOU ARE TIRED of thinking, worrying and planning all winter long about ways to farm better, only to repeat your experience of getting a living while some other people pocket most of the profits, use The Equity System.

IF YOU ARE DISGUSTED with a system that often compels you to accept such prices for your crops as do not give you fair wages and allow you to keep up the fertility of your soil, when you know such prices are made by gambling Boards of Trade and Exchanges, change it by using The Equity System.

IF YOU ARE TIRED OF IT ALL. Tired of the incessant hard work, day and much of the night; Summer and much of the Winter; with hopes high in the Spring only to be crushed in the Fall, because of the prices paid for your crops, then don't market any more crops the old way but use The Equity System.

ARE YOU READY FOR A CHANGE? Will you change the system that has kept the average farmer poor and made millionaires of the people who handle farm crops if you can do it practically without expense?



It Tells You an Easy Way

HOW to get profitable prices for all you sell off of the farm
HOW to maintain steady prices for all farm crops
HOW speculation and gambling in farm crops can be ended
HOW to improve social conditions in the country
HOW to secure what farmers need from the government
HOW to get and keep hired help on farms and money to pay them
HOW to keep boys and girls on the farm and cause others to come
HOW to bring the rural up-lift that Pres. Roosevelt sought

All of above things are accomplished through co-operation in marketing by THE EQUITY SYSTEM—It brings enough money to the farmer.

64 Pages and Cover

Farmers Society of Equity
INDIANAPOLIS, IND.

If You Will,

Market all Your Crops Through The Equity System and Send the Coupon on This Page at Once and You Will Never Regret It.

Farmers Society of Equity
Indianapolis, Ind.

— THIS IS THE COUPON —

Send No MONEY

Farmers Society of Equity,
Indianapolis, Ind.

Gentlemen: I produce crops to sell. I want complete particulars of the Equity System of marketing and how to use it to get the best results as promised in Up-to-Date Farming. Please send the book, Farmers Industrial Freedom.
(Write very plainly).

My Name is .....

My address R. R.... P. O.....

Co ..... State.....

My shipping Station .....

My chief crops are .....

Send This COUPON

U
SEPT. 1

WANTED AN ORGANIZER IN EVERY COUNTY IN THE UNITED STATES to organize a **LOCAL UNION** of the Farmers Society of Equity at every important shipping station and a **COUNTY UNION** at the county seat, or central point. Larger fields for capable people. With the instructions and assistance we give our organizers success and a profitable business are certain. The marketing system of the Farmers Society of Equity and new features to interest and entertain members will multiply results. Write for our terms.

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Agents Wanted

AGENTS—Handy Hame Fastener. 200 per cent. profit. Every horse owner buys at sight. Thomas Mfg. Co., 882 Third St., Dayton, Ohio.

WANTED—Lubricating Oil Agents to take orders on commission for our line of Lubricating Oils, Greases, etc. Also House, Barn and Roof Paints. Address Allen Tibbitt, Prop. The Lakewood Oil and Paint Specialty Co., Cleveland, O.

Automobiles

AUTOMOBILE FOR SALE—Practically new 1910 Marion—Overland, 35-40 h. p., 4 cylinders. Complete with Prest-o-lite tank, 5 lamps, tools, tires in excellent condition. Cost new $1850. Run only about 1000 miles. Bargain at $1300. Demonstration any time. J. B. Fentony, Indianapolis, Ind.

Farm Lands For Sale

EASTERN KANSAS LAND—Four 160 acre farms for sale at a bargain to close estate. Address, Troutman Ranch, Comiskey, Kans.

FARMS FOR SALE—Several strong productive North Georgia farms, suited to all lines of farming. Perfectly healthy and comparatively level country. Farms containing 40 to 500 acres at $5.00 to $15.00 an acre. J. C. Mosley, Cane Spring, Ga., R. R. No. 1.

INVESTIGATE THE FAMOUS O'CONNOR RANCH, if you want to enjoy life in its fullness. C. H. Lee, Manager, Indianapolis, Ind.

FOR SALE—Improved farms in Davison and adjoining counties, South Dakota. Also unimproved lands in Hyde, Hughes and Sully Counties, South Dakota. Prices and terms right. Write us. Rew & Harris, Mitchell, South Dakota.

$2,000 TAKES my 80 acre place, level hardwood land in Fruit Belt of Western Michigan. Seventy acres rich loamy soil under good cultivation, no stumps, no stones, no swamps. Three miles to good town on RR. Half mile to school. Small orchard. Two story frame house on stone foundation. Barn, chicken house, tool shed, etc. Place all fenced. Shipping point on RR. half a mile. Taxes $19 per year. Terms: $1100 down, balance easy at six per cent. Address, Farm 1918, 1627 1st National Bank Bldg., Chicago, Ill.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

WILL SELL my 80 acres of hardwood land. Twenty acres timber, some low land which is rich muck soil, balance sandy loam, clay subsoil. Located in Fruit Belt of Western Michigan. Lies level to partially rolling. Six miles to good large town on two trunk RRs. Good gravel road, R. F. D. and phone. Small young orchard. Fair frame house and barn. Water supplied by driven well and two springs. Price $15 per acre; terms, $900 cash, balance to suit. Address, Farm 1903, 1627 1st National Bank Bldg., Chicago, Ill.

Farms Wanted

DO YOU WANT TO SELL YOUR FARM?—If so, give me price, description, and state when possession can be had. I wish to hear from owner only, who will sell direct to buyer. Rex F. Leonard, Andover, Ohio.

FARM WANTED—I want information immediately about a good grain or stock farm for sale. There is a good buyer waiting for it, willing to pay your price. Write me at once for full particulars. Address Arthur Capper, Dept. 67, Topeka, Kan.

WE CAN SELL YOUR PROPERTY. Send description. Northwestern Business Agency, Minneapolis.

FARMS WANTED—We can turn a quick sale for you, as we are in close touch with buyers everywhere. Let us show you how to save agents commissions. Or if you want to buy property of any kind, anywhere, write us. American Investment Association, Minneapolis, Minn.

For Exchange

FOR EXCHANGE—Indianapolis residence, and growing business, clearing $2,000 annually, to trade for small, well-stocked farm. Ill health of family cause of sale. De Lury, 137½ N. Illinois, Indianapolis.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

Machinery

FOR SALE—TWO SECOND HAND air-cooled gasoline engines, rebuilt and in excellent condition. Write for prices. Air-Cooled Motor Company, Lansing, Mich.

Male Help Wanted

SALESMEN AND SALESWOMEN WANTED—Thousands of good positions now open, paying from $1,000 to $5,000 a year and expenses. No former experience needed to get one of them. We will teach you to be an expert salesman or saleswoman by mail in eight weeks and assist you to secure a good position and you can pay for your tuition out of your earnings. Write today for full particulars and testimonials from hundreds of men and women we have placed in good positions pay-$100 to $500 a month and expenses. Address nearest office. Dept. 444 National Salesmen Training Association, Chicago, New York, Minneapolis, Atlanta, Kansas City, San Francisco.

WANTED—Railway Mail Clerks, Clerks at Washington, D. C., City Carriers and Postoffice Clerks. High Salaries. Annual vacations. Steady work. Common education sufficient. September examinations everywhere. Preparation free. Write immediately for schedule showing dates and places. Franklin Institute, Dept. A 27, Rochester, N. Y.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

"PATENTS THAT PAY"—Protect your idea! 2 books free: "Fortunes in Patents—What and How to Invent," and 61-page Guide. Free report as to patentability. E. E. Vrooman, 838 F St., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to The Equity System, 95 S. Water St., Chicago.

TAKE NOTICE—T. J. Hoover, Phila., Pa., sells poultry, eggs, apples, potatoes, onions, cabbage, carloads and less.

Thoroughbred Stock

DELAWARE RAMS—Fine quality; Catalog free. Frank Russell, Wakeman, O.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure, pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

LADIES SOCIETY OF EQUITY

President, Mrs. James Howey, East Jordan.
Organizer for Michigan, Mrs. M. Culbertson, Three Rivers, Mich.

THE Society is growing nicely, particularly in members at large. The State President, Mrs. Howey, that grand woman, is constantly receiving letters from ladies of ability and worth from all over Michigan, and some from other states. The members at large will be expected to organize local unions now that the busiest time is past and the weather is more bearable. Members' cards and buttons go out from headquarters—the address of the president.

Sickness and pressing business have prevented me form doing what I otherwise would have done. But the clouds have rolled away and the sky brightens. I will be pleased to respond to calls to organize from this time forward.

"All things are possible to her who thinks she can," is our motto.

—Mrs. Martha Culbertson, Three Rivers, Mich.

THE FIELD

UP-TO-DATE FARMING will print in this department short letters from its subscribers on any subject of general interest and calculated to further the mission of the paper.

THE GOSPEL A NEW ONE

DEAR EDITOR:

Your gospel is a new one for our community—"Farmers to the Front;" "Equitable Prices for All Farm Products," "Controlled Marketing." In the past the produce dealers were the men to the front. Sometimes we were able to "split the difference," with them, but most often have taken the price they offered. This new idea of marketing at our own prices has taken firm hold with farmers everywhere.



The thought that farmers in their millions of fields, and their millions of throbbing hearts, may all act in union by the same impulse given them by UP-TO-DATE FARMING is an inspiring one. We enjoy all the departments, in short the arrival of UP-TO-DATE FARMING makes us all feel as though our kin-folk has arrived.—Miss Ima Myrs, Hillsboro, Ill.

A GLORIOUS PAPER



Dear Editor:

I have been laboring amongst my neighbors trying to bring them to their sense of duty and by the aid of our glorious paper and your Third Power book. I have succeeded beyond my expectations. The tobacco farmer is looked upon today with respect. Why? Because UP-TO-DATE has taught him how to become an independent business man and not be the slave to work for the greedy speculator. All farmers owe the editors of UP-TO-DATE their most earnest support and co-operation. That paper I respect as my deliverer out of bondage.—L. R. Ruby, Williamstown, Ky.

COULD NOT DO BUSINESS WITHOUT IT

Farmers Society of Equity:

You will find enclosed postal order for my dues for 1910. I am a member-at-large. I could not do business without Up-to-Date Farming. I think it has done more for farmers in aiding them to get good prices for their produce than any other paper. I am a full fledged Equity man and I am doing all I can for the cause. I am proud to see what a subscription Up-to-Date has now. I think we are gaining ground fast.—G. W. Karnes, Pleona, Kas.



Don't Wear a Truss

FREE TRIAL OF PLAPAO

STUART'S PLAS-TR-PADS are different from the painful truss, being made self-adhesive purposely to hold the rupture in place without straps, buckles or springs—cannot slip, so cannot chafe or compress against the pelvic bone. The most obstinate cases cured in the privacy of the home. Thousands have successfully treated themselves without hindrance from work. Soft as velvet—easy to apply—inexpensive. Process of cure is natural, so no further use for trusses. We prove what we say by sending you Trial of Plapao absolutely FREE. Write TODAY.

Address—PLAPAO LABORATORIES, Block 59, St. Louis, Mo.

BED WETTING

IMPERFECT CONTROL of urine during the night or day in young or old can be cured with our harmless Remedy. To prove its merits we will send A 50c PKGE. FREE to any address. C. H. ROWAN DRUG CO., Room 106, 53 RIVER ST., CHICAGO, ILL.

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

Don't Wear A Truss

After Thirty Years Experience I Have Produced An Appliance for Men, Women or Children That Cures Rupture.

I Send It On Trial.

If you have tried most everything else, come to me. Where others fail is where I have my greatest success. Send attached coupon today and I will send you free my



The above is C. E. Brooks of Marshall, Michigan. who has been curing Rupture for over 30 years. If Ruptured write him to-day.

illustrated book on Rupture and its cure, showing my appliance and giving you prices and names of many people who have tried it and were cured. It is instant relief when all others fail. Remember I use no salves, no harness, no lies.

I send on trial to prove what I say is true. You are the judge and once having my illustrated book and read it you will be as enthusiastic as my hundreds of patients whose letters you can also read. Fill out free coupon below and mail today. It's well worth your time whether you try my Appliance or not.

FREE INFORMATION COUPON

C. E. Brooks, 3121 Brooks Bldg., Marshall, Mich.

Please send me by mail in plain wrapper your illustrated book and full information about your Appliance for the cure of rupture.

Name .....

Address .....

City..... State.....

GREAT SPECIAL OFFER

AN OFFER NEVER BEFORE EQUALLED

Haven't you always wanted a Telescope? Nearly everyone has. Now is your chance to buy a valuable instrument at a special low price. We are making this offer to introduce and advertise our "Wonder" Telescope. The like was never known before. Instruments as good as this have sold for many times our price. We guarantee satisfaction. Tell your friends. The price is only $1.00(postage extra) and our supply may not last long. Orders filled on receipt—no delay.

POSITIVELY such a good Telescope never sold for this price before. These Telescopes are made by one of the largest manufacturers of Europe; measure closed 12 inches and open 3½ feet, in 5 sections. They are brass-bound, brass safey cap on each end to exclude the dust, etc., with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at seaside resorts should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness. Over 3½ feet long, circumference 5¾ inches. Price only $1.00. Postage extra. This is a grand offer, and you should not miss it. We **warrant** each Telescope to give satisfaction or money refunded.



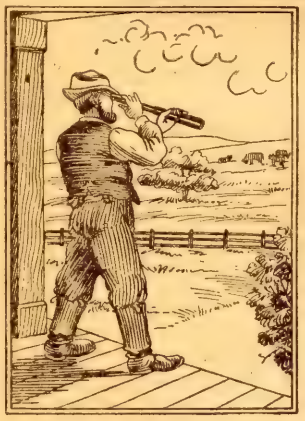
Watching an Eclipse with "Wonder" Solar Telescope



STUDY THE SUN

The great central body of the Solar System; the great attractive force, which holds all other planets in their orbits; the great embodiment of light,which is larger by 900 times than all the planets combined, and which supplies all the planets with energy by its radiance. Our $1.00 Wonder Telescope will help you in this study, notwithstanding the fact that the sun is 93,000,000 miles away.

COUNT CATTLE 20 MILES AWAY



A Kansas Farmer Counting Stock Twenty Miles Away

I wish all to know how satisfactory the "Wonder" Telescope is. Our farm is on the highest point in the surrounding country, one mile south of the junction of the Walnut and Arkansas Rivers. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles, count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope. Again thanking you all for a square deal, I remain, yours truly, F. G. PATTON, Arkansas City, Kans.

HISTORY OF THE TELESCOPE

The Telescope seems to have originated in Holland in the Seventeenth Century. It is quite certain that prior to 1600 telescopes were unknown. From 1870 to 1890 a considerable number of telescopes were made over two feet in diameter. The largest of these was "The Lick," of the Lick Observatory, California, which was 36 inches in diameter and 57 feet long.

Our own "Wonder" Telescope was first brought out in 1886, but the Telescope of today, with over a score of years of work, study and improvement, is a far superior instrument to any of our previous models.



Could Discern Boats From Five to Ten Miles Away

Mr.C. M. Medley, of Duluth, Minn., who purchased one of these Telescopes, says they are superior to anything he expected; that with it he could discern boats on the Great Lakes at a distance of from 5 to 10 miles, and in clear weather he could read the names of steamers and other craft at a distance of one-half mile away.

SUPERIOR TO A $15 GLASS.

Fred Walsh, of Howe Island, Ont., Canada, Says:

GENTLEMEN—I have just received your Telescope and must say it surpasses all expectations. It is far superior to one which we have had, which cost $15.00 some years ago. Just a few sights I have seen with it are worth more than double what it cost me.

R. C. Allen, Brandy, Va: "Please send another Telescope. Money enclosed. Other was a bargain, good as instruments costing many times the money"

Let the keynote of this advertisement be implicit confidence in us, and we will make good or money refunded.

A Telescope brings new brain cells into play; it opens new avenues of thought and broadens one's resources.

Interesting booklet entitled **"Telescope Talk" FREE** with each order. This book tells all about the care of Telescopes, and other information you want.

THIS IS YOUR OPPORTUNITY

An old hunter tells us that he never goes into the woods without a strong lens to kindle fires with. Take one of the lenses from the eye piece and a fire can be quickly kindled any time the sun shines. May be worth many dollars to you in this way alone. From its many uses you can see this is a wonderful instrument.

BUY THE BOY A TELESCOPE



Interest him in the study of the planets. *Let him experiment* with lenses and reflectors. *Some genius will harness the sun* some day and with his warm rays heat our dwellings and generate the steam that runs our factories. *It may be your boy, if he is* given a few ideas now to think about.

With the new year will come many new and interesting changes in the Planets, Eclipses, etc. *You will need a Telescope to study them.*

MICROSCOPE AND TELESCOPE

I have fairly tested the "Wonder" Telescope to my entire satisfaction, both as a telescope and as a microscope. It is more than worth the money I paid for it.

F. S. TAYLOR, Box 37, Davenport, Ia.

SUN SPOTS

They are dark patches from 1,000 to 100,000 miles in diameter. They last from a few hours to many months. They are known to be hollow cavities in the photospheric, depressed several hundred miles below the general level. Their cause and precise theory of their formation are still uncertain. At intervals they are very abundant; then there are perods when they almost vanish. Scientists claim that there is a connection between the spottedness of the sun's surface and the numbers and violence of our electric storms and auroras. How interesting to watch these changes and learn to foretell their effects upon the weather!



The mysterious spots on the Sun. Get our Solar Telescope and see them.

GOOD THINGS OTHERS SAY

Worth $5 to me.—Edwin J. Gower, West Suffield, Conn.

Very satisfactory.—Eugene J. Halle, Booneville, Mo.

Wonderful at the price. —Alfred L. Edwards, Athol, N. Y.

Satisfactory in every way.—H. J. O'Sullivan, Schenectady, N. Y.

Much better than expected.— O. R. Oakley, Bridgeport, Conn.

Just as you represented.—T. W. Wakeman, Waterlick, Va.

Objects seven to nine miles away clearly seen through it.—F. L. Bode, Addison, Ill.

Satisfactory beyond expectation.—J. D. Reed, Bay City, Mich.

Would not take $5 for it.—Thomas L. King, Luffman, S. D.

If I could not get another, would not sell it for $10.—J. T. Hunter, Falls, N. C.

Could read signs on Oakland Pier, three miles away.—E. Salanava, San Francisco, Cal.

Send two more; well pleased with first one. —J. W. Seifert, Prattville, Ala.

WE HAVE THOUSANDS OF OTHERS JUST AS GOOD, but no room to print.

You need not take our word for it, but write any one of the customers we quote. *Ask them* if the telescope is all right. *The only question* for you to consider is: *Do you want a telescope?* Do you want to see things at a distance? Do you want to study the Planets? *THEN TRUST IN US IMPLICITLY,* and send us the money, and *we will guarantee you perfect satisfaction or money refunded.*



Using the Eye Piece of a "Wonder" Telescope as a Microscope

MAKE MONEY

We have a special money-making proposition for everyone who answers this advertisement and sends an order. Send for it. Many make $25 daily. You can to. No experience needed. Positively our proposition will not be sent unless you send an order. Only our customers have this opportunity. Be first. We guarantee everything. You can't lose. Send an order today and get our great plan.

THE GREAT $1.00 WONDER

The pleasure and profit derived from this Telescope is like money invested at compound interest—the longer you have it the more you get out of it.

PRICE $1.00—By mail, prepaid, delivered in perfect condition, insured, $1.20. By mail, not insured, $1.10.

How can you invest $1.00 better? Think of the Steps it will save, the entertainment it will bring you.

OUR SPECIAL OFFER—We guarantee absolute satisfaction or money refunded! 80,000 sold last year!

This issue of UP-TO-DATE FARMING goes into about 150,000 homes. In every home there should be an "Wonder" Telescope. Over 5,000 UP-TO-DATE FARMING READERS have one already.

The Twentieth Century Idea is to put absolute confidence in the vendor and for the vendor to guarantee the purchaser perfect satisfaction or money back. That is what we do in this special offer. There is no better way. **Send your order at once—while it is on your mind.**

People's Wholesale Store Dept. D, Indianapolis, Ind.

Great Price Wrecking Sale!

READ THIS WONDERFUL FALL OFFER

50,000 Bargains

Our stock includes everything from a needle to a locomotive. The largest stock of manufactured articles to be found under the sun. Our wonderful Catalog which we term the *"Price Wrecker,"* tells all about our operations. It is free for the asking. See coupon below. 17 years of honest dealing. Besides our capital stock and surplus is over $1,000,000. Satisfaction absolutely guaranteed.

What the Chicago House Wrecking Co. Means to You

We are your protection against the high prices usually asked by dealers. Our business is built on original lines. We are known everywhere as the "World's Bargain Center." We save you money. We buy our goods at Sheriffs' Sales, Receivers' Sales and Manufactures' Sales. Every single article on sale in this ad is guaranteed brand new and first class. It is equal in quality to goods sold by dealers anywhere. You make no mistake on any selection from this page in sending your order at once. Read every word of this magnificent merchandise offer and you wll easily understand why we call our literature, catalogs and booklets *"Price Wreckers."* This is our vocation—wrecking prices. We do this in the most thorough manner. We save you from 30% to 50% in the purchasing of your everyday wants.

Satisfaction Guaranteed or Money Refunded

If you buy any goods that do not give you satisfaction you can return same at our freight expense both ways, and you will receive your money back in full. Any banker anywhere will tell you who we are, or you can write to the Continental Commercial Bank, or Drover's National Bank of Chicago. They all know us.

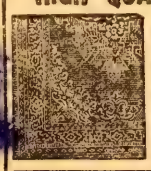
PRINT LINOLEUMS.



MP-59. A Splendid grade of Print Linoleum in exact imitation of [illegible] sawed oak. 6 ft. wide. Per [illegible] **35c**

MP-61. extra heavy [illegible] Linoleums All 2¼ yds. wide. State colors wanted. Price per sq. yd..... **42c**

HIGH QUALITY SMYRNA RUGS.



M. P. 45. Heavy, reversible Smyrna Rug. Handsome oriental pattern. Red or green ground; border colors tan, blue or red. Can be used either side up. Offered to you at exactly one-half its value. State colors wanted when ordering.
30x60 in. **$0.78** 36x72 in. **$1.50**
6x9 ft.... **3.25** 9x12 ft... **6.95**

15,00 FUR SETS AT $1.85.



A Great Bargain in Fashionable French Coney Fur Sets. Scarf is throw style, is 54 ins. long and lined with satin. **Muff** is shield design and warmly padded; lined with Farmer's satin. Is 12 ins. wide, 13 ins. long. Cannot be duplicated under $5.00. Colors, black or brown.
27-A-1000. (Postage 22c) **$1.85**

MAGNIFICENT SUIT LESS THAN COST



We captured an Entire Stock at at a ridiculously low price. You get the benefit. Handsome black cheviot suit. newest model, tailored by experts. Coat round sack style; vest popular single breasted. **Notice**—We send with this suit an extra pair of pants. Cut latest mode. Color, gray; guaranteed.
25-A-52. Suit with extra trousers..... **$4.95**

NOTTINGHAM CURTAINS.



M. P. 531. These magnificent Nottingham Curtains come white only; 30 in. wide 92 in. long. They are the best value in low-price curtain ever sold. Made on extra quality of net in the newest and most popular designs. Sure to wear well and please you. **Per pair....41c**

ELEGANT OAK DRESSER.



1-Z-852. An Astonishing Oak Dresser Value. Colonial style, 4 drawers, brass pulls, safe locks, French bevel plate mirror 24 ins. high; rounded frame, neatly carved top, rounded scroll standards, shapely dresser top 40x19 ins. Good casters, splendid golden finish on solid oak. Worth dbl. Price only **$6.00**

LADIES' TAILORED SUIT.



This Ladies' Mannish Tailored Suit made of Thibet cloth. You could not buy the material alone at our price for this suit beautifully made, stylish and perfect fitting. It is single breasted. straight front, semi-fitted back. Colors black or navy blue. Sizes 32 to 44 in. bust measure. Shipping weight 5 lbs.
Price only..... **$4.94**

$10.00 OVERCOAT-ONLY $5.25.



This well tailored, perfect-fitting single-breasted Frieze overcoat. Thickly padded and quilted lining. This coat is roomy, durable and stylish. Positively guaranteed. Sizes; 34 to 44 in. chest measure; Length, regulation, 46 in. Average weight 6½ lbs.
25-A-208. Color Black.....**$5.25**
25-A-209. Color Dark Grey.....5.25

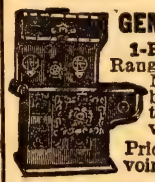
OUR FAMOUS WOOL SPUN BLANKETS.



24-B. This is our Wool Spun Blanket. Woven from yarn especially prepared. Ends have deep fancy borders and are finished with silk tape. Soft, warm, comfy. Color, gray. Do not show soil quickly. Positively guaranteed. Size 62x78 ins. Shipping weight about 4 lbs. A big bargain. Price per pair..... **$1.98**

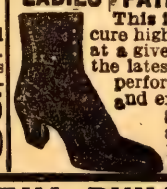
$1.98

GEM STEEL RANGE. $12.50



1-PW-521. Empire Gem Steel Range, guaranteed in every way. Neat appearing and first-class baker. Price No. 8-10 as illustrated. with reservoir. high closet.... **$19.15**
Price without reservoir and high closet.. **$12.50**

LADIES' PATENT COLT BLUCHERS.



This is a rare opportunity to secure high grade patent leather shoes at a give away price. They are made the latest city style. Dull mat top; perforated toe caps. Cuban heels and extension sole.
Sizes 2½ to 8; Width C. D. E. and EE. **Price per pair only..... $1.00**
Price per dozen.....$10.80

5000 FLEECED SHIRTS 35c.



Regular Standard Heavy Weight, heavily fleeced, close flat knit Underwear, made from specially selected cotton Made for good, hard wear and are soft and warm. 50c value. Color, light brown.
24.B-4000. Undershirts, sizes 34 to 46, price..... **35c**
24-B-4005. Drawers. sizes 32 to 44 ins. waist measure, price **35c**

Comfortable Rocking Chair.



1-A-754. Roomy, Comfortable Parlor or Library Rocker. Richly designed and embossed golden oak frame. Indestructible spring seat. Broad, diamond-tufted back, softly upholstered; broad arms; large, handsome, durable. Covering is black drill in imitation leather.
Retail value $7.00. Our price...**$3.95**

READ THIS WONDERFUL BUILDING OFFER!!

$575 Buys Material to Build this



HOUSE NO. 149.
Size 21 ft. by 28 ft. Mansard roof, 6 rooms and bath. No waste space, material, labor in construction. Price of material... **$575**

The Chicago House Wrecking Co. is the largest concern in the world devoted to the sale of Lumber and Building Material direct to the consumer. No one else can make you an offer like the one shown here. We furnish everything needed for constructing these buildings at the price named except Plumbing, Heating and Masonry.
Write for details.

FREE PLAN BOOK.
We publish a handsome book containing designs of Cottages, Bungalows, Barns, Houses, etc. Mailed those who fill in the coupon below.

$798 Buys Material to Build this



HOUSE NO .139.
Size 29 ft. by 33 ft. 6. in.; 8 rooms and bath. Every convenience of an up-to-date home. Price of material **$798**

MEN'S PATENT BLUCHER SHOES



While they last 5,000 pairs of Men's Patent Colt Blucher $3.50 Shoes, at a saving to you of $1.55. We took the entire output of the factory. This is perfect fitting shoe. Sizes 6 to 11. Widths C, D, E and EE.
Price per pair.... $1.95
Price per dozen pair .$21.00

NEW LUMBER.



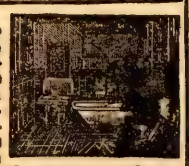
Lot No. 901. Yellow Pine Ceiling; Matched and Beaded; Standard Lengths; Bright; Kiln Dried. No. 2 grade ⅜x4. Per 1000 ft..... **$13.50**
This is only one item out of our 20,000,000 ft. of Building Lumber. Our General Merchandise Catalog lists a thousand other equally good bargains from the lowest grade Sheathing Lumber to highest quality Hardwood Flooring.

MEN'S RUBBER BOOTS.



An astonishing bargain in Men's High Grade Bubber Boot. Made of pure gum. Duck or "Snag Proof" foot. Most durable over offered at the price. Made especially for us by one of the most reliable foot-wear makers on earth. We buy in enormous quantities, enabling us to offer this boot per pair... **$3.44**
Price per dozen.....$40.00

PLUMBING MATERIAL.



$84.50 For Complete Plumbing System. Includes up-to-date bath room outfit, roll rim sink, range boiler all piping, fittings, etc.; with complete plans and instructions for installing. Bath room oufits $24.00 up. **We will cut your plumber's price in half.** Get our figures.

MODERN HEATING PLANTS.



All kinds of heating apparatus. We can furnish you with a modern, up-to-date steam or hot water system cheaper than any other concern. Complete plans and instructions go with every plant. **We loan you tools free.** Write for our Heating Catalog and Free Estimate. Each plant backed by our Guarantee Bond. We save you 50 per cent.

CEDAR SHINGLES.



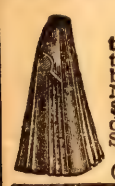
Lot No. 923. Common Star A. Star 6 to 2, 16 in. Red Cedar Shingles, 6 in. clear butt.
Price per 1000..... **$2.10**
These shingles are an excellent grade for repair work, just the kind to use for covering sheds, barns and other buildings of like character. We sell many better grades. Red Cedar, White Cedar, also Fancy and Square Butt Dimensions Shingles at low prices.

$3.60 BUYS 3½ BARREL TANK.



Made of Heavy Galvanized steel, and steel bound. Larger sizes at low prices.
$1.80 Buys Five Feet Steel Hog Trough. Made of ⅛-in. thick boiler steel with heavy legs and cross bars. Built so strong no animal can break or injure. 5 ft. long, 12 in. wide, 6 in. deep. Send for special tank and trough circular.

LADIES' ALL WOOL SKIRT.



All Wool Panama Skirt. Made the very latest "Tunic effect." Beautifully trimmed with silk soutache braid and satin covered buttons. Nobby and dressy. Made to sell at $7.50. Your money back if you don't like it. Colors black or blue. Sizes 22 to 30 in waist, 37 to 44 front.
27-A-110. Price (Postage 16c)..... **$2.65**

STEEL ROOFING.



100,000 Squares of new Steel Roofing, which we are now selling at the following price, freight prepaid **Flat per square $1.60**
Corrugated V Crimped or Standing Seam. Per sq. 1.85
Our High-Grade Galvanized Rust-Proof Roofing at prices ranging from $3.00 per square up. **Send for our Roofing Booklet.** Tells all about our freight prepaid offer.

PERFECT ELECTRIC WELD FENCING.



We secured this Fencing at Salvage Sale. Aside from being weather beaten it is as good as new.
No. 24.—26 in. Stays, 6 in. apart.
Wt. per rod 7.5 lbs. **Price per rod. 18½c**
No. 24.—26 in. Stays, 12 in. apart.
Wt. per rod 6.8 lbs. **Price per rod.. 16c**
We have a complete stock of Wire and Fencing.

Open Face, Dust Proof Watch.



A price wrecking offer on this watch. Century movement guaranteed for three years. Solid nickle case, screw back and front; richly engraved. Stem wind; hardend and tempered hair spring. Latest model. Will last a lifetime. **28-B-W-3. Price $1.95**
Postage on Watch 8c. By registered mail 16c. 30 days allowed.

HIGH-GRADE MILLWORK.



Lot No. 5858. Size 2 ft. wide, 6 ft. high; 1⅜ in. thick; 4 panels, nicely painted. Ea. **$1.14**
25 carloads of doors, all kinds and grades in different wood at carload lot prices. Millwork of all kinds from 2c Corner Block to a Colonial Front Entrance Frame at.... **$3.75**
Every article guaranteed. Send for our general catalog.

BUGGY AND HARNESS



This Fine Leather Quarter Top Buggy, black with Brewster green gear, ¼ tires, narrow or wide track..... **$34.95**

Fine Single Strap Harness.
$10.98 At this price we furnish light new harness. Send for booklet.

CEMENT BUILDING BLOCK MACHINE.



$13.85 For a first-class, practical cement building block machine. Blocks 8x8x16 in. You can make whole, half and quarter blocks. Turn out a 100 blocks a day. We can supply you complete equipment for making cement blocks and other concrete products. Write us.

SPECIAL SINGLE BARREL SHOT GUN.



This Gun Strong and Reliable. Taper choke bored. automatic ejector; 12 or 16 gauge; reinforced breech, case hardened frame; good quality fore end and full pistol grip stock; rubber butt plate. Weight about 6½ lbs.
16-B-510. 12 guage, 30 or 32 in. single barrel, with ejector, $3.70. 16 gauge single barrel, with ejector, 30 in. barrel. **$3.70**

FILL OUT THIS COUPON

Chicago House Wrecking Co.
35th and Iron Sts., Chicago.

I saw your ad in Up-to-Date Farming—204.

I am interested in.....

Send me free of all charges your 1000 page catalog.

Send the following additional books.....

.....

Name.....

Town..... County.....

State..... R. F. D..... P. O. Box....

THE PRICE WRECKING CATALOG

How to Answer This Ad.



We publish a 1,000 page handsomely illustrated catalog that we call "The Price Wrecker." It is a book descriptive of our operations. It explains our purchases at Sheriffs' Sales, Receivers' Sales and Manufacturers' Sales. The goods are shown true to life and fully described. Our broad, binding guarantee is fully outlined. The liberal terms we make our customers have made us thousands of friends everywhere. No chance for you to go wrong. Your money back if you are not satisfied is the keynote of our business methods. Low prices combined with quick, accurate service has given us a vast army of satisfied customers. Our Catalog is the most wonderful book published anywhere. Each one costs over $1.00 to produce, yet we give it to you absolutely free without obligation of any kind. Just fill out the coupon in the next column and send it to us at once, and we will immediately mail you free of all charge this magnificent Economy Guide, "The Great Price Wrecker."
If there are any special articles you are interested in say so on this coupon. We will give you complete information.

WE SEND FREE ANY OF THESE VALUABLE BOOKS

In addition to our mammoth thousand page catalog, we publish several special booklets more fully covering the various subjects.

CLOTHING BOOK
Our handsome and complete Men and Boys' Clothing book containing latest clothing ideas at wrecking prices. Will save you 30 to 50 per cent.

LINOLEUM BOOK
For buyers and users of Linoleum. Nothing better published; shows actual colors. Beautiful assortment of latest designs in high grade Linoleum.

GASOLINE ENGINES
Describes fully the "Superior" Gasoline Engines and best manufactured gasoline engines, ranging in price from $26.00 up.

GROCERY PRICE LIST
A real price wrecker. It shows how you can economize in your every day purchases. We publish this booklet every 60 days. Shall we put your name on mailing list?

BOOK OF PLANS
For builder's, carpenters and home-seekers. Illustrates about 100 designs of houses, bungalows and barns. We furnish the material complete.

LADIES' WEARING APPAREL
A style book in every sense of the word. Latest fashions at wrecking prices. Fall and winter of 1911 advance styles are shown in this catalog.

ROOFING BOOK
A practical guide for anyone interested in Steel and Prepared Roofings, Eaves Troughs, Guttering, etc., Everything explained about Roofing.

COLD WEATHER COMFORT
Book on Plumbing and Heating. Explains facts about Steam, Hot Water and Warm Air Heating, Plumbing, Water Works.

CHICAGO HOUSE WRECKING CO., Thirty-Fifth and Iron Sts., CHICAGO

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, SEPTEMBER 15, 1910 | Number 18



It may be a little nearer to the Produce Exchange pool but the fish caught in it are undesirable. If you want the desirable kind cast your line in the Equity System pool.—See pages 5 and 17.

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

This advertisement is meant personally for every reader of UP-TO-DATE FARMING. I would like to meet and talk to everyone "face to face." Since this is impossible, write me a letter or sign and mail me the coupon below and you will not regret it. As a business man who realizes that it doesn't pay to act anyway but "on the square," I say to you that you cannot find a better proposition than this anywhere for either a home, farm or investment. There is not a better proposition. I want you to investigate—that's all.

CHAS. H. LEE.

The Famous O'Connor Ranch

Is the Best Land in Texas and Texas Is the Best

70,000 Acres of Rich, Virgin Land, Just Put on the Market, Ready for the Plow, Going Fast

THE O'Connor Ranch tract of farm, fruit and truck land is in Calhoun County Texas and in what is known as The Gulf Coast Country. It is 18 miles in extent East and West and averages about 12 miles wide, North and South. It contains 70,000 acres.

2. It is bounded by Matagorda Bay, San Antonia Bay, Espiritu Bay and Powderhorn Lake. These bodies of water form about three-fourths of the boundary, the other one-fourth is open land on the Western-north border. It has a shore line of 45 miles. There are also several estwaries and bayous projecting into the land.

3. The great inter-costal canal which is being built from the Rio Grande river on the South to New Orleans is completed to Port O'Connor, the Gulf port in the Southeastern corner of our land.

4. Artesian water can be obtained any where by drilling 300 to 500 feet. There are now 23 such flowing wells on the tract that were drilled to secure water for cattle formerly raised here in great numbers. This land does not require irrigation for the usual agricultural operations, but should the time come when it was desired to put under more intensive cultivation the water will be available and this should be taken into account as one of the most valuable natural assets.

5. A branch of the Frisco railroad runs the entire length of the tract from Northwestern to the Southeastern corners, a distance of about 19 miles. There is a town (Seadrift) platted in the Northwestern corner of the tract where the railroad enters and the town of Port O'Connor, already well established is the Eastern termisus.

* * *

I have been particular to enumerate some of the features of this highly favored place in the foregoing paragraphs, 1 to 5, so the reader may have them before him when considering whether this is a desirable place to live, to farm or for investment.

My experience in selling land covers many years. I have sold much good land, to people who are now prosperous on it, is the North, West and South. But I say frankly that I never had any land to sell that possessed as many attractions, and advantages, and gave promise of so rich returns in cultivated crops and advance in values as this O'Connor Ranch land does.

The land is level and rich; no stumps, brush or stones, but is ready for the plow. Locate, and begin work that will produce money in a few weeks.

Being nearly surrounded by water it has cool sea breezes almost continually. No hot summers and there are no winters. The tidal waves never visited this place and never can as it lies too high and is protected by islands and peninsulas.

Produces the finest Potatoes, Tomatoes, Cabbage, Cauliflowers, Onions, Beans and other vegetables. Grapes, Figs and Melons grow luxuriously. Also the staple crops such as Corn, Oats, Cotton, Alfalfa, Sugar Cane, Cow Peas, Kaffir Corn, Etc., can be produced to good profit. Something growing and marketing every month of the year.

I do not know of any place where a greater variety of crops can be grown and and that is better located for seasons of maturing crops and marketing. The fact of having a seaport gives the special water rate on the products to the Eastern markets. I have never found a place where a man and his family can cultivate the soil with better reward, devote spare hours or days to more healthful enjoyment, on land or water, like hunting, fishing, boating, bathing,etc., than on this place. After my work of selling this land is completed I expect to settle on one of the farms and spend the balance of my days there raising fruit and vegetables and in general farming and in hunting, fishing and other recreations.

* * *

What do you think land is worth with all of these advantages? I know land in Indiana and other Northern States that is held at $150 an acre or more, that will not begin to earn the money that this land will. Yet you can buy a farm of 40 acres or more at 125 to $30 an acre NOW. A moderate cash payment and the balance on time to suit the purchaser.

The railroad passes through or along 46 quarter sections. It gives about 50 miles of land fronting on both sides of the railroad. Do you want one of these 46, 160-acre farms? Or do you want one of the 96 80's? or one of the 182, 40's along the railroad?

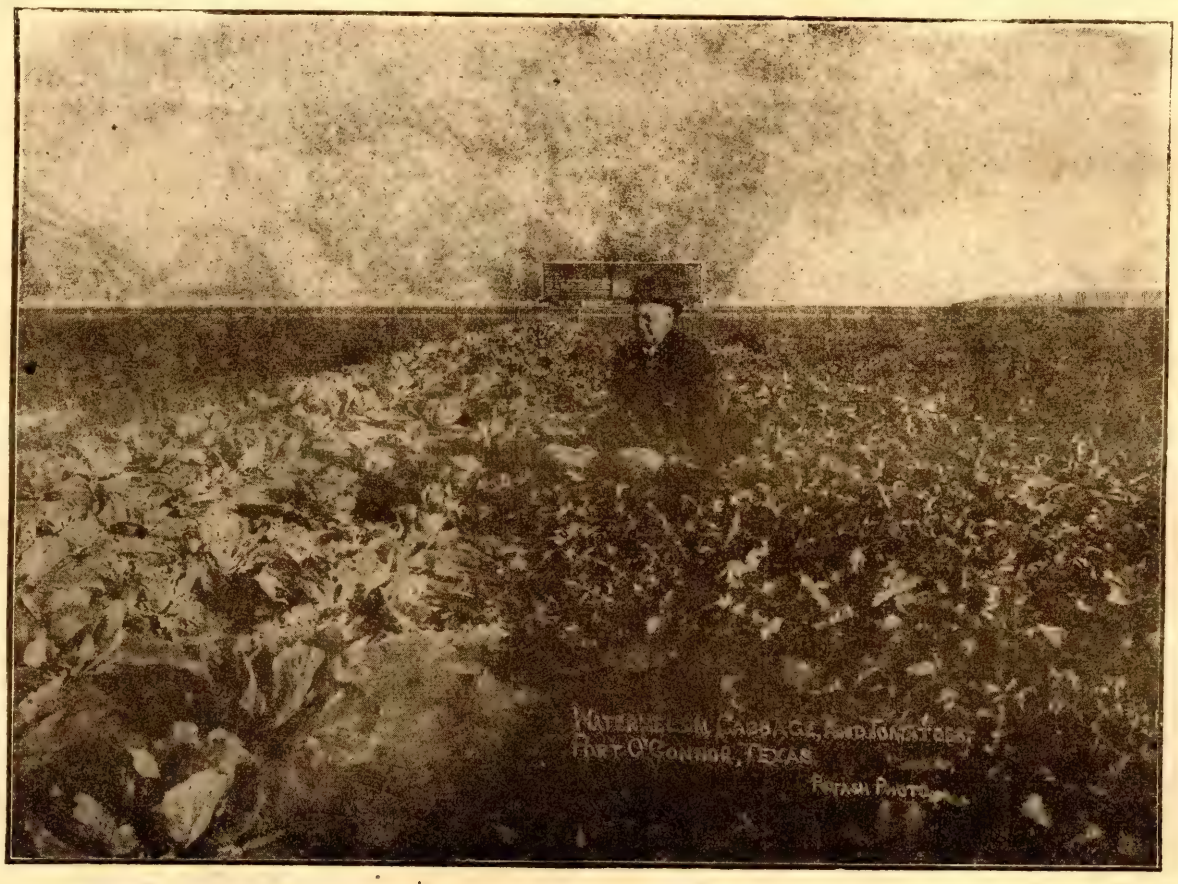
There are over 100 quarter sections fronting on the bays. Do you want such a farm of 160 acres; or an 80; or a 40?

Nearly every acre of the land is desirable, because none of it is more than 6 miles from the railroad and none more than 6 miles from water. But there are many plots that have great advantages over some others. Of coursee the first people will get first choice. That means much.

The distance between Seadrift and Port O'Connor, the two railroad routes, is 19 miles. There will be several towns spring up along the line of the railroad. Who will select the tract that will soon be in town?

My FIRST excursion to show the O'Connor Ranch lands will be Oct. 4th. Nothing can please me better than to have you go with me and see with your own eyes that all I have said is true. Seeing is believing—we want to show you.

If you want to go, first fill out the coupon and send to me and I will give you full particulars of rates and where you can connect with my excursion train. It does not matter where you live, just send the coupon and I will give you full particulars.



Do you see that box car? It marks the line of the Frisco railroad which runs 19 miles through our land. There are 56 quarter sections that the railroad runs through or along. Forty-six farms of 160 acres each, or 92 of 80 acres each; or 184 of 40 acres each. 38 miles of choice land fronting on the railroad. If you want one of these farms you had better not waste any time but go with me on the first excursion. Remember this is a new tract, just opened up. The two towns now started are 18 miles apart and there will be several towns between on the railroad line. Can you pick a farm that will become a town?

Calhoun County Cattle Co.

C. H. LEE, Mgr. Indianapolis Office

INDIANAPOLIS, INDIANA

THIS IS THE COUPON

MR. CHAS. H. LEE, Manager
Indianapolis, Ind.

Dear Sir: What you have said about the O'Connor Ranch tract in September 15th Up-to-Date Farming has interested me and I am thinking about going with you, on your FIRST excursion to see it. Please give me full particulars of excursion rates and to meet your train.

My ....

Name .....

My ....

Address .....

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Labor And Living

WE are in favor of equity in all the relations of life. Varied as are those relations a chain of public and individual interests connects them all, and all the way through the equity of them largely depends upon price. To make the prices of farm products equitable they must correspond to the prices of commodities farmers must buy, and all these prices must be primarily based on the legitimate or reasonable cost of production; that is, the labor honestly and reasonably required to produce the one must be made equitable in point of remuneration to the labor honestly and really required to produce the other.

For the purpose of this equitable leveling of price all useful commodities may be placed in two classes,—the products of the soil or of farm labor and the products of all other classes of labor.

Farm labor, other than occasional or transient, has never had a definite or fixed wage. The farmer has always taken chances for reward. He has plowed and planted and cultivated and gathered with no agreement as to what he shall receive for his labor, and no paymaster but Nature, and subject to all the exigencies of the seasons. Other classes of labor know before they do the work what they are to receive, and from whom they are to receive it, and when. For this reason the cost of commodities other than farm products is much more easily determined than the cost of farm products; and for this reason also the cost of production is considered in fixing at least the first selling price of other than farm products, while in fixing the price of farm products is it not. This gives to labor, other than farm labor, a great advantage over farm labor in securing a reasonable reward, and makes an effort necessary on the part of farm labor to secure an equitable price.

But another element, even more important than the amount of labor required to produce it, enters into the determination of the price at which a commodity shall sell, and that is its usefulness, or, in other words, the demand for it. An article may require days and days of honest labor to produce it, and when it is done it may not be worth anything because it is of no use to anybody, and nobody wants it. On the other hand, an article may be taken from where nature placed it, and without a moment of human labor it may sell for a great price because there is a demand for it. So, also a useful article that requires an approximately definite amount of labor, and for which there is a constant demand, may be produced in so great a quantity as to oversupply the demand, thus glutting the market and reducing the price, the surplus becoming worthless in the hands of the producer, because nobody needs it. Bad distribution, however, is more responsible for this condition than is an excess of production. It is seldom indeed that too much of anything is produced, though it frequently occurs that there is a surplus in one place and a scarcity in another.

Articles that are not farm products are subject to these contingencies also, but in this as in the known reward for labor, manufactured articles and products of the mines, have an advantage over farm products. The production of those things is controlled. The demand is known and production is held well within the demand. The location of the demand is also known, and the articles are sent where the demand is, so that markets are never glutted. There is better distribution.

This also gives what is called wage labor a great advantage over farm labor in securing a proper reward, and convinces us that other than farm labor is better rewarded than farm labor is. Yet there is a restlessness in the ranks of labor, and an almost ceaseless demand for an increased wage. Rev. Charles Stelzle, a noted writer on economics, says: "The American workingman is the most highly skilled workingman in the world; he produces more than the workingmen do in other parts of the world, but compared to what he produces he is probably the poorest paid workingman in the world."

We very seriously doubt that. In fact, we have been taught to believe that American labor is the best paid labor in the world. But we are making no argument on that. We wish all labor well rewarded. Our plea is only for equity of reward. If wage labor is well rewarded farm labor should be well rewarded also. And since reward depends upon price, and since the farmer has no reward other than what he consumes of his products and what he sells on the market, he is more interested in price than is any other laborer. He is compelled by the nature of his calling to largely accept chance as the fixer of his prices, much less those whose interests are best served by making his prices low. We have shown how the prices of commodities other than his own are made and maintained. It is by controlled production, controlled marketing and intelligent distribution. It is up to the farmer to see that these are brought into his business, so that he may know his prices bring rewards commensurate with the rewards received by other labor, not high prices and princely rewards, as some claim, but equitable prices, and rewards that will enable him to exchange a portion of his labor for a like portion of other labor represented in articles he must buy. Living is based on labor, and if the laborer lives his labor must bring reward, and before all can have equal opportunity there must be equity in all the relations of life.

INVOLUNTARY STOPPAGE.

ANOTHER case of increasing prices by stopping production is the strike of the International Ladies' Garment Workers' union, because of which it is said, 80,000 of these workers have been idle since the first week in July. As a result, it is claimed that there is a shortage in these goods in New York, Boston, Philadelphia, Chicago, St. Louis, and other manufacturing centers, so that dealers find it difficult to get their orders for winter supplies accepted, and prices will undoubtedly go higher.

This stoppage of production is unjustifiable. It is not because there is too much of the goods, for there seems to be a shortage everywhere. It is not to maintain prices, for prices were already high, and there was an upward tendency even before the stoppage. But the stoppage is involuntary. It was not ordered by the owners of the plants, and hence they are not chargeable with it unless indirectly on account of unfair treatment of their employes. But the effect is the same. The public must pay for it. The users of the goods will be charged higher prices. We are told that this stoppage of production is to be investigated, and that announcement brings with it a kind of sickening sensation, for the remedy for every wrong is an investigation, and the wrong goes on just the same; that is, if it is a big wrong.

(Since above was written this strike has ended and a despatch form New York says: "70,000 workers will return to work soon." Estimating the cost the same report puts the same in wages at $10,000,000; while the loss to manufacturers, jobbers and retailers of the country is estimated at ten times that sum.)

CONTROLLING PRODUCTION.

THE entire plant of the Amoskeag corporation, embracing seven of the largest cotton mills of New England, has been shut down for several weeks in order to reduce the supply of their manufactured goods. Their output has been largely reduced since last spring, and finally it was decided to shut down altogether. The object is to prevent the glutting of markets and maintain the price. The mills will start again so soon as the stock is sufficiently reduced. Meanwhile about 16,000 laborers are out of work to prevent too great a production of calico, sheeting, grain bags, etc. Yet the management is justifiable. It is folly to overproduce. Too much of anything is a waste. But suppose farmers should stop production to prevent market gluts and maintain the price. Wouldn't there be a howl? In that calling the teaching and the effort is to produce more and more, no matter what the condition of the market or the relation of supply and demand, and the deluded farmers are glad to get whatever is offered for their stuff, hoping to make up the deficiency by planting more acres, plowing a little deeper and producing a little more next year to possible still further glut the market.

OKLAHOMA AND THE OIL TRUST

THE greatest victory yet won over a trust is that of the new state of Oklahoma over the Waters Pierce Company, a part of the Standard Oil Company. The Waters Pierce Company has been charged in several courts with being a part of the Standard monopoly, but it persistently denied the charge until it got into the courts of Oklahoma. There, Attorney General West surrounded the company with such a network of facts that, without going into trial, it acknowledged itself auxiliary to the Standard Company, confessed that it had violated the anti-trust law, and agreed to pay a fine of $75,000 as a penalty therefor. The fine is to be paid in three payments of $25,000 each the first within sixty days, the second within six months, and the last within nine months. An agreement has been signed by the officers of the company and the state officials, the dispatches tell us, that permits the company to still operate in Oklahoma but subject strictly to state regulation. All differences between the company and the state are to be settled by a board comprising the attorney general for the state and C. H. Parker for the company. In case of disagreement a member of the state supreme court is to be called as umpire. The state and not the company is to fix the price of petroleum, and there is a provision that the state may annul the agreement whenever the company violates the law.

All this seems simple, and it is certainly a triumph of law over monopoly. It is a pity that the general government cannot find a way to follow this example. In the matter of price-making there may be a lesson for us all. If the State of Oklahoma may determine the price at which petroleum may be sold, why not determine the price of other products? And if Oklahoma may determine these prices, why not other states? And if the states, then why not the general government? In the face of such powers, it seems strange that speculators should be allowed to gamble on the price of human necessities, and to add to the prices paid for those necessities from 50 to 100 per cent profits.

A PECULIAR PEOPLE

THE Prophets pronounced woful curses upon the Israelites or Jews, and declared that they would become "a hissing and by-word among the nations. "Therefore will I cast you out of this land into a land that ye know not," said Jeremiah, 16:13. My God shall cast them away because they did not hearken unto Him; and they shall be wanderers among the nations." Hosea 10:17.

There are now 11,483,876 Jews in the world, and they have not had a nation since before the advent of Christ. There are now 8,876,299 Jews in the various nations of Europe, and there are 1,880,579 in the different countries of the New World. The Russian empire has 5,215,805 and thus leads in Jewish population any other nation, and yet is a fact that in no other nation perhaps are Jews so unwelcome. The United States has 1,800,000, and in this country Jews are accorded more privileges than in any other.

Considering cities, Warsaw leads the Russian cities with 220,000; but New York leads all the cities, with population of 905,000 Jews. Philadelphia has 100,000 and Chicago has 98,000. New York has to-day one-thirteenth of the entire Jewish race. Every fourth person in that city is a Jew; and more Hebrews are gathered there ever before lived in one city.

If remaining prophesies concerning this peculiar people are to be fulfilled as those referred to have been, the history of the Jewish race is not finished, and New York and America may be brought strikingly into it. "But the Lord liveth which brought up and which led the seed of the house of Israel out of the north country, and from all countries whither I had driven them, and they shall dwell in their own land.'—Jeremiah23:8.

This is by no means one of the strongest prophesies' concerning the gathering home of the Jews, and its effect upon the world can scarcely be conjectured. Jews are now practically the bankers of the world.

The Trail of the Serpent

Are It's Coils Tightening Upon the People?

IF the Produce News is correct, stirring times may be expected in the business world within the next few months. A Chicago article in that publication early last month averred that great strides are being made by the beef trust to gain control of the butter, egg and poultry business of the country. Its methods for several years are alleged to have been to encourage small operators throughout the country through the cold storage warehouses of Chicago. This assistance made it possible, the writer says, for those with limited means but fair credit to secure large loans, and do a large business on limited capital. And here appears a feature, according to the writer from whom we quote, not usually considered by the public—a financial feature. It is the consolidation of several banks, each of which had one or more cold storage warehouses as a customer and put into a bank in which the Armour interest is said to be a controlling factor, all the notes of these various warehouses and their customers. Nelson Morris & Co. are said to be dominant factors in another large banking institution, and that the Swift interest is strong in a number of others. In fact, declares this Chicago writer, the beef trust is represented in the directorate of nearly every bank in the city, which gives them perfect control over the loans of their competitors.

In order, we may now infer, to compel these competing houses to make their loans as far beyond their means as possible, the trust early in the season put prices unusually high, so that if these houses did business at all they must load up on butter, eggs and poultry at extremely high prices. Of course these heavy loans in the trust-controlled banks places these houses at the mercy of the trust. The trust may now put prices down at its pleasure, compel the houses to sell out at the reduction to meet the loans, buy the stuff at the forced sale, and drive every independent house out of business, or compel it to become a part of the trust, and obedient to trust methods. This done, prices may soar to any point the people can be forced to pay, and all to the benefit of the trust.

We may give figures to show the plausability of this story, or at least that there has been unusual activity in cold storage circles. August 1, 1909, there were stored in 29 big houses 2,020,000 cases of eggs and 41,880,000 pounds of butter. One year later, August 1, 1910, in spite of the high prices and the insistent demand, there were stored in these houses 2,389,000 cases of eggs and 51,963,000 pounds of butter, an increase of 369,000 cases of eggs and 10,083,000 pounds of butter.

The Chicago writer from whom we are quoting, believes the political and newspaper agitation against cold storage was inspired by the trust, and that, as these schemes are worked out and the trust gets entire control of the business, which they must very soon have, that agitation will cease, as the party leaders do not dare to oppose in their line what the beef trust favors.

To show how well intrenched the trust is, the writer in the Produce News declares that the beef trust virtually controls the banking business of Chicago, and that they are heavily interested in New York banks, as well as a multitude of small banks throughout the country. This gives them perfect knowledge of conditions each of their small independent competitors is laboring under, and claims of small shippers are everywhere held up, and everything possible is done to hamper them in handling any part of the business. It is easy for the beef trust, says the writer, to dictate to a railroad company what it shall do in handling any independent shipper's account.

We have so frequently given our authority for these statements and conclusions because we have not personally verified them, but they are in strict accordance with trust methods, and the trusts clearly have power to do all these things. If true, the beef trust is shown as a controlling factor in different important fields. It controls that part of the food supply which consists of meat in its various forms, and butter, eggs and poultry; of the banking institutions, and consequently, to a dangerous extent at least, of the finances of the country; of transportation to the extent of compelling privileges not accorded to others; of party leaders to the extent of preventing restrictive legislation, and possibly affecting cases in the courts; and of the press to the extent of smothering developments and manufacturing public sentiment for or against as may be to the interest of the trust.

What is to be the outcome? The farmers more than any other class must answer that question.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

MINIMUM PRICES

We believe the following are fair and equitable minimum prices for the crops mentioned. We believe conditions of supply and dmand are such that these prices will be paid before the next crops are produced. Certain it is that, if producers will hold their crops and ask these prices they will be paid, because the world of consumers cannot get along without them. The farm price will be the minimum price less freight and a fair commission to the handler.

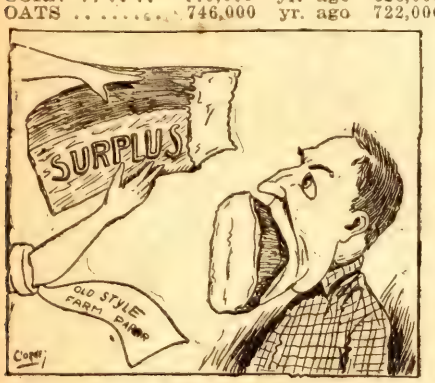
Minimum prices on other crops will be announced later.

WHEAT—No. 2 red, at Chicago, .. $1.20
OATS—No. 2 White, at Chicago, .. .47
BARLEY—Good Malting, at Chicago, .75
TIMOTHY HAY—Choice, at Chicago
Per ton ..... $20.00@21.00
CATTLE—Choice to Fancy Steers, at Chicago, per cwt..... $8.50
HOGS—At Chicago, per cwt..$7.50@$10.00
RYE—At Chicago,..... .75
BUCKWHEAT—At home ..... .85

WESTERN RECEIPTS OF GRAIN

Comparisons Sept. 3 and year ago.

	Bushels		Bushels
WHEAT 1,230,000	yr. ago	950,000
CORN	779,000	yr. ago	628,000
OATS	746,000	yr. ago	722,000



The features in grain have been the continued enormous increase in wheat and oats visibles and the slump in prices. The former increased 8,892,000 bushels, which added to the increase the two weeks before makes a total increase of 19,143,000 bushels in four weeks. While the visible now is large it is more remarkable for the rapidity of developing than for its size. Only twice before, in ten years was it so large on or about September first; in 1900, 50,294,000 bushels and 1907, 49,459,000 bushels. In the former of these years the highest price in September was 79⅜c and this price was not exceeded before the next harvest. In the latter year, the highest price in September was $1.12 and it reached $1.22 in October which was the highest of the crop year. It is also interesting to note that the highest visible of the 1900 crop was 62,179,000 bushels in December and the lowest, 29,688,00 bushels the following July 1st. The highest in the 1907 crop was in September as given above.

Other high visibles of wheat in recent years were: 51,759,000 Jan. 1, 1909; 48,481,000 Jan. 1, 1908, and 49,729,000 June, 1907. In 1909 the price went to $1.60 in June; in 1908 it sold at $1.11 in May and in 1907 to $1.22 in October.

The liberal marketing of wheat this year was induced by the lower prices for the last month of 1909 crops which stampeded farmers to sell early this season for fear prices would go lower. A reaction is about due. Country deliveries have slackened, which will relieve the stress on country elevators and in turn on the central storage. Then will come a betterment in prices. Sane marketing would have given wheat growers about 20 cents a bushel more for all marketed to date. The insane dumping will give it to the speculators.

While on the subject of wheat we quote from the Indiana Experiment Station that the average yield of wheat in Indiana is 13 plus bushels per acre and the average cost of producing an acre of wheat is $12 plus. Is $1.20, the minimum price we recommend too high? Is $1.00 a bushel or less enough for wheat?

As long as Spring wheat at Minneapolis is such a large premium over Winter wheat at Chicago holders of Winter wheat can afford to have confidence.

Market report; "The one great fall feature is the confidence of elevator interests in wheat values," Then why should not farmers have canfidence too. Also this: "The elevators have piled up wheat as Valuable Property."

Corn still gives promise of a record breaking crop.

Oats was a record breaking crop.

Potato and Apple reports are mixed and it is unwise to venture an estimate. We say with confidence, however, that every 1910 crop that is wisely controlled and systematically marketed will net the producer a profitable price.

See additional down-to-date market reports on the next page.

The following figures tell the market story:

VISIBLE SUPPLY

The visible suply of wheat in the United States, by Bradstreets' report, on August 27th was 35,418,000 bushels. That was 8,892,000 bushels more than two weeks before; 20,448,000 bushels more than a year before and 12,083,000 bu. more than two years before. A year ago the increase in the same period was only 160,000 bushels.

The visible suply of oats on the same date was 21,641,000 bushels. That was 12,989,000 bushels more than two weeks before; 11,077,000 bushels more than a year before and 15,185,000 bushels more than two years before. In the same period a year before oats increased only 2,452,000 bushels.

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	Sept. 3, 1910	Aug. 28, 1910	Sept. 3 1909
American	790,179	754,965	1,429,116
Other kinds ...687,000	728,000	461,000
Total	1,467,179	1,482,965	1,890,116

The total visible suply of cotton decreased 328,883 bales since our last report.

Price—New York, Sept 2: Midling upland, 15c; middling gulf 15.25c per lb. The price is about 95c per cwt. lower than two weeks before. A feature of the period was cotton selling at 20c a pound on August 29, which was the highest price since the Civil War.

The Crop Reporting Board of the Bureau of Statistics of the United States Department of Agriculture estimates, from the reports of the correspondents and agents of the Bureau, that the average condition of the COTTON crop on August 25, was 72.1 per cent of a normal, as compared with 75.5 on July 25, 1910, 63.7 on August 25, 1909, 76.1 on August 25, 1908, and 73.1 the average of the past ten years on August 25.

CLOSING PRICES OF CASH GRAIN

September 3, 1910

CHICAGO—Wheat No. 2 red, $1.00@1.00½; two weeks before, 99¾@$1.00¼; last year, $1.05. Corn, No. 2 white, 59½c; two weeks before, 62¼@62½c; last year, 67@68c. Oats, No. 2 white, 34¼c; two weeks before, 35@35½c; last year 39c.

ST.LOUIS—Wheat, No. 2 red, $1.00@1.02; two weeks before, $1.00@1.03. Corn, No. 2 white, 59@59½c; two weeks before, 61½@62½c. Oats, No. 2 white, 35@35½c; two weeks before, 33½@34½.

KANSAS CITY—Wheat, No. 2 red, 99c@$1.01½; two weeks before, 99c@$1.00; No. 2 hard, 98c@$1.03; two weeks before, 97c@$1.01. Corn, No. 2 white, 58½c; two weeks before, 62½@62¾c. Oats, No. 2 white, 34@35c; two weeks before, 35@36c.

CINCINNATI—Wheat, No. 2 red, $1.00@1.03; two weeks before, 98@$1.00. Corn, No. 2 white, 63c; two weeks before 65@65½c Oats, No. 2 white, 35½c@36c; two weeks before, 32½@33c.

NEW YORK—Wheat, No. 2 red, $1.06⅝@1.07⅞; two weeks before, $1.06. Corn, No. 2 white, 67c; two weeks before 71c. Oats, (new) No. 2 write, 39½c; two weeks before 41c.

MINNEAPOLIS—Wheat, No. 1 hard, $1.13¾; two weeks before, $1.13¾. No. 1 Northern, $1.12½@1.13¼; two weeks before, $1.11¼@1.13¼.

FUTURE GRAIN PRICES

Chicago grain futures closing Sept. 3, with comparisons:

WHEAT—Sept. 98⅞; Dec. $1.03¼; May, $1.08¾. Two weeks before, 95⅝, $1.02⅝, and $1.07⅝, respectively.

CORN—Sept. 58⅞; Dec. 57½c; May 60⅛c. Two weeks before, 60⅛c, 57¾c and 59⅞c, respectively.

OATS—Sept. 33¾c, Dec. 36¾c, May, 39½c. Two weeks before, 35c, 36⅛c and 39⅝c, respectively.

PRODUCE MARKET

Chicago, Sept. 3, 1910.

POTATOES—The tone of the market was firm. Cobblers sold well at 78c to 80c for fancy stock, and Giants at 75c. Local demand was good for the end of the week, and the outside trade has shown some improvement lately. Offerings are still quite liberal.

Per bu. New Jersey, Delaware or Maryland, Green Mountain, or Cobblers fancy ..... $78@80
Choice ..... 75@77
Common or stale ..... 72@75
Giants, choice ..... 72@75
Sacked, Eastern Cobblers, choice to fancy ..... 84@86
Kentucky, white stock, choice..... 60@62
Northern Michigan, white, rather green to good ..... 50@63

The price is about the same as two weeks before.

HAY—Choice Timothy and Kansas Prairie Hay scarce and firm. Demand good. Other descriptions in liberal supply and slow. Demand light.

Choice Timothy Hay .....$20 00@21 00
No. 1 Timothy ..... 18 00@18 50
No. 2 Timothy ..... 15 00@16 00
No. 3 Timothy ..... 13 00@14 00
Kansas and Oklahoma Prairie, choice..... 15 00@15 50

Timothy Hay is about $1.00 per ton lower and Prairie, about 50c a ton lower than two weeks before.

BROOM CORN—Demand tame. The market remains quiet and slow.

Per ton, self-working ....$160 00@200 00
Imported, Hungarian .. 100 00@120 00

The price is the same as two weeks before.

BEANS—Old beans are scarce. Only very small stock in the hands of dealers. The country offers very few. Dealers can accomodate only a moderate demand. Those who have Beans hold them firmly. Some demands exist, but it is tame. Quotable:

Pea Beans—
Hand-picked, choice .....$2 73@2 78
Prime ..... 2 63@2 68
Mediums nominally about the same as Pea Beans.
Red Kidney, per bu. good..... 4 25@4 50
Brown Swedish, choice ..... 3 25@3 50
Limas, California, per 100 lbs. 5 25@

Price on Pea Beans is about 5c higher; other kinds the same as two weeks before.

EGGS—The receipts at Chicago (not including through shipments) for the week ending Sept. 3, were as follows:

	This week. Cases	Last week. Cases	Last year Cases
Total 59,292	44,180	52,680

Receipts April 1, 1910, to Set. 3, 1910, 2,385,094 cases.

Receipts April 1, 1909, to Sept. 4, 1909, 2,254,718 cases.

Receipts April 1, 1908, to Sept. 5 1908, 2,182,615 cases.

Dealers report the market in satisfactory condition. Demand good. Strictly fresh Eggs are wanted and sell readily for home use and to fill outside local orders. The offerings of really desirable stock are only moderate, and receivers have no difficulty in finding buyers. On the other hand, the poor lots—Eggs showing heat—are dull and sell at irregular prices, depending on the quality.

The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 14½@17½c, depending on quality. Ordinary Firsts at 18c. Firsts 20c per dozen. Prime Firsts 22c. Checks or Seconds 10@11c. For the musty and poor stock there is no sale. Dirties quotable 12@14c per dozen, according to quality.

The price is 1 to 1½ cents higher than two weeks before.

MISCELLANEOUS

See market wants reported by your own representatives on next page, headed "When to SELL, Where to SELL, How to SELL."

(Continued on page 16)

When to Sell Where to Sell How to Sell

The world will buy largely of any one who can deliver the goods,
It is ready and eager to barter if you can deliver the goods.
—Nixon Waterman.

WHENEVER you have anything to sell sell it through THE EQUITY SYSTEM, which is the business plan of the Farmers Society of Equity. Any farmer having farm produce to sell can easily select the best market in the country through this System and that will often mean many dollars to him.

Mark all shipments "THE EQUITY SYSTEM" and address all correspondence the same way. Farmers must do more of their own business in the future. All of the representatives named below will correspond with them.

One of the chief objects of the Equity System of marketing is to send the supply direct from the farm to the demand, thus avoiding many toll gates that beset the old System. We particularly suggest to Northern producers that they seek markets for their grain, hay, etc., direct to the Southern and Eastern States.

Remember that you can send a night letter (50 word telegram) from any telegraph office for the day rate for ten words. The cost will be from 25 cents to $1.00, depending on distance.

Always notify The Equity System in the city selected, when making any shipments, also duplicate notice to Farmers Society of Equity, Indianapolis, Ind.

The reports below are to convey the idea of the present needs of the various markets. Other crops may be especially needed in a few days. Also nearly all of the markets will take all farm produce at market prices all the time, so correspond with a few and find where the best demand is.

SEE "Very Important Notice" on Page 15.

ARKANSAS

PINE BLUFF—There is a splendid market here for Oats, Apples, Cabbage and Potatoes and a fair demand for Onions.—THE EQUITY SYSTEM. (V. M. Harrison)

FORT SMITH—Needed, Apples, Cabbage Onions, Oranges, Lemons and Potatoes. Parties having them to sell wire or write.—THE EQUITY SYSTEM. (Johnson and Hunt).

ALABAMA

BIRMINGHAM—This market needs Apples, Onions and Cabbage, particularly the two former.—THE EQUITY SYSTEM. (Pankey & Holmes).

HUNTSVILLE—No. 1 Timothy and No.1 Clover mixed, Hay; choice pea green Alfalfa and Alfalfa Hay; No. 2 White Oats; No. 2 mixed and yellow, Corn; prime hand picked and choice hand picked, Navy Beans and full Cream Cheese.—THE EQUITY SYSTEM. (W. L. Lyle).

MOBILE—Feed Grains, and hay; Beans, Broom Corn and produce generally. Wire or write offerings.—THE EQUITY SYSTEM. (Thos. Partridge).

MONTGOMERY—Northern Apples, Onions, Cabbage, Etc., Grain.—THE EQUITY SYSTEM. (Thos. Howe).

CALIFORNIA

LOS ANGELES—All kinds of fine produce and grain finds a ready market here. Write.—THE EQUITY SYSTEM. (John F. Allen & Co.)

COLORADO

DENVER—Choice vegetables and fruit will bring exceptionally good prices. Also we need grain and live stock. Correspond and when practicable send samples.—THE EQUITY SYSTEM. (Barry & Green).

ILLINOIS

CAIRO—We want offers of Cabbage in bulk.—THE EQUITY SYSTEM. (Alf T. Haynes & Co.)

CHICAGO—Everything grown on the farm finds a market here at all times, but any day may develop a special demand for particular crops, so report what you have and will keep you posted for the best markets.—THE EQUITY SYSTEM. (M. George & Co.)

PEORIA AND NORTH CENTRAL ILL.—Potatoes, Peaches, Grapes and Vegetables. Also Clover and Grass Seeds are much sought for here now. Correspond.—THE EQUITY SYSTEM. (Wolter Bros.)

INDIANA

INDIANAPOLIS—Choice Apples, Rocky Ford Cantaloupes and Watermelons, Grapes, Eggs and Poultry. All kinds of produce ready sale but report what you have for spot quotations.—THE EQUITY SYSTEM. (Farmers Society of Equity).

TERRE HAUTE—THE EQUITY SYSTEM. (L. E. Walker).

IOWA

BURLINGTON—Potatoes particularly, but for all kinds of produce and fruit prices are good.—THE EQUITY SYSTEM. (Hume Brokerage Co.)

KANSAS

ATCHISON—THE EQUITY SYSTEM. (W. L. Stalons).

KENTUCKY

LOUISVILLE—Our market must have from the North, Grapes of all kinds, Peaches, Pears, Plums and Quinces, Cabbage in car lots and other vegetables in fair quantities. Home growers suply Irish and Sweet Potatoes, Apples and Pears.—THE EQUITY SYSTEM. (John Denunzio Fruit Co.)

LOUISIANA

NEW ORLEANS—We need large quantities of Potatoes, Onions, Cabbage and Apples.—THE EQUITY SYSTEM. (Kohlman Bros. & Sugarman.)

MARYLAND

BALTIMORE—Fancy soft table Apples particularly wanted in this market. Our market is good for all the products of the farm, and we will be glad to quote by letter or wire on any offerings, thus giving sellers the market down to date.—THE EQUITY SYSTEM. (Thos. Bond & Son.)

MASSACHUSETTS

BOSTON—Boston is said to be the centre of the largest population within fifty miles radius of any city in the United States. It is no easy matter to determine a few days ahead what our market will need the most. Therefore, the people who have the supply should file a report with me and I will co-operate with them to get good prices. I have a demand for several cars of Onions daily now, at good prices. In the near future we must look to the West for our fancy table Apples. If any of your people have Western Prunes let me know. We can use 30 car loads of potatoes daily, but write or wire for markets. I do not recommend shipping less than car load lots of staple goods.—THE EQUITY SYSTEM. (O. E. Spooner).

MICHIGAN

DETROIT—Beans, Potatoes, Fruit and other produce constantly needed in our market. Also Grain, Live Stock and Seeds. This is one of the best markets for clover seed.—THE EQUITY SYSTEM. (Fred Rush & Co.)

GRAND RAPIDS—Osage Melons and Watermelons, Potatoes, Sweet Potatoes, Live Poultry, Veal Calves, Butter, Onions and most every kind of produce is needed.—THE EQUITY SYSTEM. (W. L. Freeman.)

SAGINAW AND BAY CITY—We need well cured Yellow Danvers, or Yellow Globe and Red Onions. Nothing else now of Vegetables, Fruit or Grain. But will need other things soon and want to hear from shippers.—THE EQUITY SYSTEM. (H. E. Buck.)

MINNESOTA

ST. PAUL—We need all kinds of Fruit—Apples, Pears and Peaches. Also Potatoes from State points at present. Write and state what you have to sell.—THE EQUITY SYSTEM. (C. C. Emerson & Co.)

DULUTH—We still need Apples, Pears and Grapes. This is a great Wheat market and we can take care of all such shipments. Other special needs appear frequently, so solicit correspondence.—THE EQUITY SYSTEM. (Fitzsimmons-Palmer Co.)

MISSOURI

KANSAS CITY—In our last report we asked for Potatoes. Those who responded were well repaid for our market has been up to $1.00 a bushel. We need Potatoes yet; also Onions. We need Western box Apples and want to get in touch with some one having eight to ten thousand boxes to sell; or smaller lots. Grain live stock, Etc. always finds a market here. We will always co-operate with your people to get them good prices. Write or wire.—THE EQUITY SYSTEM. (C. C. Clemens Produce Co.)

ST.LOUIS—At this date our market is quite well supplied with home grown stuff, but about the 15th to 20th of this month we must have shipments from the North of domestic Cabbage and a week to ten days later we must have liberal shipments of Holland Seed and Danish Cabbage. Also at same time we must have Northern and Western Potatoes, Red Globe Onions, Apples, Peaches, Etc. We wish people having these coming on, also Cranberries, would report to us now and we will keep them closely posted.—THE EQUITY SYSTEM. (A. J. Niermann & Co.)

NEBRASKA

OMAHA—Potatoes are very scarce and the probability is they will continue so for 2 or 3 weeks. Price now 85 to $1.10 a bushel. We want Apples in barrels, and Red Onions. These things particularly urgent now. Other things may be soon. Write or wire us for offers and the market.—THE EQUITY SYSTEM. (Snyder-Trimble Co.)

NEW YORK

ALBANY—If any of your people have hand picked Pea and Medium Beans they will bring now $2.75 per bu. New crop will soon be in and prices will be lower. On other produce our market is supplied by local growers.—THE EQUITY SYSTEM. (Dubuque and Munroe).

BUFFALO—Our market needs most everything, but particularly some Colorado Cantaloupes and Jersey Sweet Potatoes. Grain and Live Stock always marketable. Let your people write to us and we will give them the spot market and our co-operation.—THE EQUITY SYSTEM. F. Brennisen & Co.)

ROCHESTER—We need especially Beans, Jersey Sweet and Irish Potatoes, Onions. Correspondence solicited.—THE EQUITY SYSTEM. (The Allen Fruit Co.)

NEW YORK—This is the greatest consuming market in the country. To enumerate what we need would include every known kind of farm, field, garden and orchard crops. Consignments will be given careful attention and I will be glad to correspond with prospective shippers and help them to market at the best time.—THE EQUITY SYSTEM. (Vincent R. Lamia).

SYRACUSE—THE EQUITY SYSTEM. (Dubuque & Munroe).

NEW JERSEY

NEWARK—We want Potatoes, Peaches, Apples, Cabbage, Live and dressed Poultry, Eggs and Veal. Also feed stuff. If any of your people have Peaches to sell we want to know it. Wire or write for spot quotations.—THE EQUITY SYSTEM. (Vreeland and Martin).

NORTH CAROLINA

RALEIGH—This market is in good shape for strictly fancy and No. 1 Apples in standard barrels. Also sun-dried Apples in 50-lb. cotton bags. Also for large, round white Potatoes in 150 lb. bags, can't use them any other way. Also white Beans from Michigan. Correspondence solicited.—THE EQUITY SYSTEM. (W. L. Bragden Co.)

WILLMINGTON—Corn, Oats, Potatoes and fruit from the North and West.—THE EQUITY SYSTEM. (R. H. Pickett).

NORTH DAKOTA

BISMARCK—THE EQUITY SYSTEM.—(Bismarck Com. Co.)

FARGO—Any person having Timothy, Clover or Millet seed to sell can get a premium in this market. Also we need choice Oats and Barley.—THE EQUITY SYSTEM. (Magill & Co.)

GRAND FORKS—This market is exceptionally good for any quantity of Hay, Oats, Corn, Potatoes and Apples. Please direct the attention of growers to this market.—THE EQUITY SYSTEM. (Reid & Sorlil).

OHIO

CINCINNATI—This market is firm on Peaches, Damson Plums, Eggs and Poultry. Eggs are selling at 24 cents a dozen. We need Calves also. Many other special needs arise frequently. We want your people to file reports of what they have or will have with us, for our co-operation.—THE EQUITY SYSTEM. (L. F. Gloystein & Co.)

COLUMBUS—Send us Cantaloupes, Watermelons, Potatoes and Sweet Potatoes. The Ohio crop of Potatoes is very short and there must be a heavy movement to our market and good prices will prevail.—THE EQUITY SYSTEM. (The Nelson-Sheppard Co.)

TOLEDO—Choice hand picked Pea Beans and choice, round, white Potatoes in bulk or sacked. At tris time we want to buy a car load of Sweet Potatoes in barrels. Correspond before shipping.—THE EQUITY SYSTEM. (W. O. Brown, Jr.)

OKLAHOMA

OKLAHOMA CITY—All Northern Fruit and Vegetables. A large territory look to us for suplies and we want to correspond with parties having the goods.—THE EQUITY SYSTEM. (Interstate Brokerage Co.)

PENNSYLVANIA

PHILADELPHIA—We need every kind of produce, but particularly Apples, Peaches Pears, Potatoes and Onions. Also live and dressed Poultry. Eggs are in good demand.—THE EQUITY SYSTEM. (J. P. Moyer & Co.)

SCRANTON—We need especially, now, Hay, Potatoes, Butter, Eggs and Cheese.—THE EQUITY SYSTEM. (H. M. Wood).

JOHNSTOWN—Thers is a special demand for Timothy Hay. As our market fluctuates I suggest that your people tell me what they have to sell and I will quote. This place suplies a large mining and manufacturing territory and we must ship nearly everything in.—THE EQUITY SYSTEM. (R. P. Smith).

PITTSBURGH—The only thing *especially* needed here right now is some fancy Maiden Blush Apples, or varieties of like nature. We can obtain $3.50 to $3.75 a barrel for them. Ask us for quotations on all kinds of produce, grain and live stock.—THE EQUITY SYSTEM. (Iron City Produce Co.)

WILKES BARRE—This market is usually exceptionally good on any kind of farm produce. Ours is a mining section and not much land for cultivation. Intending shippers should write, or wire night letter.—THE EQUITY SYSTEM. (Chase Bros.)

HARRRISBURG—THE EQUITY SYSTEM. (J. F. Feeser).

RHODE ISLAND

PROVIDENCE—We need particularly, Onions, Maine Potatoes, Apples, Cabbage, and Grapes. The first three are needed in large quantities. Also if any of your people have Oranges and Lemons let us know.—THE EQUITY SYSTEM. (Providence Brok. Co.)

TEXAS

FORT WORTH—The home supply of Fruit and Vegetables now about exhausted and we need Fruit and Vegetables from the North and West. We mention some preferred kinds: Good fall eating Apples, barrels or boxes; Fancy Red Globe Onions; Fancy Potatoes, Colorado Pearls and Cal. Burbanks preferred. This is a good market for Grain and Live Stock. Correspond.—THE EQUITY SYSTEM. (Montgomery & Co.)

HOUSTON—We need Butter Cheese and Eggs. Potatoes both table and Maine Seed, Onions and Apples, Alfalfa Hay, Corn, Oats and other feed stuff. Write before shipping, mentioning kind, quantity and grade.—THE EQUITY SYSTEM. (J. S. Handly).

AUSTIN—THE EQUITY SYSTEM. (Wm. C. Bell Brokerage Co.)

GALVESTON—All Northern and Western produce saleable here now, including Grain. This is one of the great Grain markets of the country.—THE EQUITY SYSTEM. (Geo. Sgitovich).

UTAH

SALT LAKE CITY—Our market is short on Sweet and Irish Potatoes and especially Apples. A good grade of 4-Tier Wolf River Apples is in much demand. They bring about $1.15 now. Potatoes are bringabout $1.00 per 100 pounds here now. (60 cents a bushel) and will be quite plentiful a little later. Peaches are very plentiful.—THE EQUITY SYSTEM. (Elggren Bros. & Co.)

A hint to managers of the Equity System: Get some of the cheap potatoes and plentiful peaches from Salt Lake City.

WISCONSIN

MILWAUKEE—THE EQUITY SYSTEM. (A. Grosenback & Co.)

VIRGINIA

LYNCHBURG—Hay and Grain in very good demand here. Vegetables and Fruit supplied by local growers.—THE EQUITY SYSTEM. (Davidson Bros.)

RICHMOND—THE EQUITY SYSTEM. (W. P. Adkins & Co.)

NORFOLK—THE EQUITY SYSTEM. (L. W. Powers).

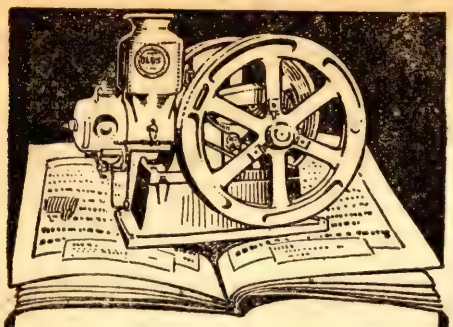
No matter how you have marketed before, The Equity System will save you trouble and get you more money.

Farmers Society of Equity
Indianapolis, Ind.

THE FARMER AND THE BUSINESS MAN



"Part of our business is to be friends."



Read our catalogue

If a gasoline engine is worth buying, it is worth thinking about, worth studying into. The reasons are

Olds Gasoline Engine

will appeal to you are the same that have induced thousands of shrewd, practical farmers to look into the engine question carefully, to investigate the Olds and then select it because it was exactly what they needed, and the price was right for what they got.

Send for our new catalogue; it is worth its weight in gold to you.

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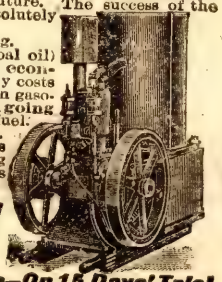
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The Kerosene Wonder

Startles the World!
The Engine Runs on COAL OIL at a Fraction of Cost of Gasoline.

Thousands of these marvelous engines—in actual use today—prove beyond question that kerosene is the engine fuel of the future. The success of the "Detroit" Engine is absolutely unparalleled.

Demand is overwhelming.

Kerosene (common coal oil) runs it with wonderful economy. Kerosene generally costs 6 to 15c less per gallon than gasoline—and gasoline is still going up. Runs on any engine fuel. Only three moving parts. Light and portable. Does work of engines weighing four times as much. Runs everything.



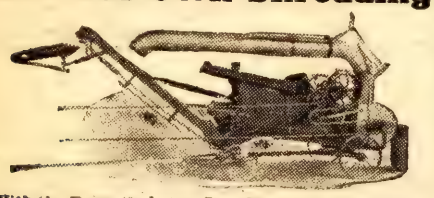
The Amazing "DETROIT"

You Are Sole Judge—On 15 Days' Trial Satisfaction Guaranteed

Any engine you want, from 2 to 20 H. P., sent on 15 days' trial—tested and ready to run. If dissatisfied—every dollar you have paid us for the engine cheerfully refunded on receipt of engine. Prices lowest ever known for high-grade, guaranteed engines.

The New Book is Ready—WRITE! Tells all about these new 1911 wonders that mark a new era in engines. Special introductory price on first "Detroit" engine sold in each community. Quick action gets it. Address **Detroit Engine Works, 396 Bellevue Ave., Detroit, Mich.**

Do Your Own Shredding



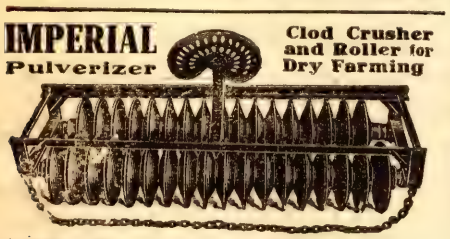
With the Rosenthal New Corn Husker and Shredder. Made for the individual use or companies of farmers, requiring 10 to 15 H. P. Also smaller size requiring 6 to 8 H. P.

Shredded corn fodder is natural, wholesome winter food for stock. Ensilage is too eagerly devoured and cattle overfeed with the result of unhealthful condition and exposure to tuberculosis. Write us for catalogs and prices. State how many horse power you use.

SOLD ON TRIAL
Rosenthal Corn Husker Co., Box 4, Milwaukee, Wis.

IMPERIAL Pulverizer

Clod Crusher and Roller for Dry Farming



Send for Circulars **The Peterson Mfg. Co.** **Kent Ohio.**

Make Your Own Repairs!
Mends Harness, Shoes, Canvas; Myers' Sewing Awl makes lock-stitch like sewing machine. $1 postpaid. BIG MONEY FOR AGENTS.
The Awl for All. **C. A. MYERS CO.,** 6346 Lexington Ave., Chicago, Ill.

Inoculated Alfalfa Soil.

75c per hundred pounds. $10 per ton. F. O. B. cars. Send for free booklet, "How to Grow Alfalfa."

Dr. H. SOMERVILLE,
Chest Springs, Cambria Co., Pa.

UP-TO-DATE FARMING

Production and Marketing

FERTILIZERS AND THEIR SOURCE.

NO farmer should plant any crop on land that is unable to produce it. It is a waste of time and effort to cultivate land that cannot respond with a profitable crop. As there is an abundance of such land in all parts of the country, and as there is not an acre more than is needed by our increasing population, the most important question that confronts agriculture is the enrichment of impoverished land. That question involves fertilizers and fertilization, and we feel justified in gathering from a publication by the German Kali Works, the following valuable information on that subject, though the article may seem a little lengthy for summer reading. But it is timely.

Practical experience has proved that, as a rule, nitrogen, phosphoric acid and potash are the plant food elements most likely to be deficient in cultivated soils, and consequently most needed to make it productive. But it must not be forgotten that first of all the soil must contain humus, which is decayed vegetable or organic matter, and is necessary to keep the soil in proper mechanical condition.

Nitrogen is required in the production of protoplasm, which is the physical basis of lift. Without it there can be no plant growth. A lack of nitrogen is indicated by small plants with weak stalks, dwarfed leaves, and insufficient seed production, though what seed is produced may be good. On the other hand, too much nitrogen is characterized by a rapid and excessive, but watery growth of the plants, resulting in a lack of fruitfulness. Wheat on land too rich in nitrogen makes a rank growth of straw, but without strength to sustain itself, and, though it does not produce the amount of grain the growth of straw would indicate, it falls before the grain is matured. In the case of cotten there is a great growth of plant, but there are not enough blossoms, and but few bolls mature. Fruit trees make a rapid and sappy growth, but do not produce much fruit. Corn makes large and tall stalks, but small ears. These growths serve as an index to whether the soil lacks nitrogen or has too much of it.

Nature's principle storehouse of nitrogen is the air, and leguminous plants. The clovers, alfalfa, beans, peas, etc., by a process peculiarly their own, draw nitrogen from the air, even more than they need, leaving the soil richer in nitrogen than when the crops were planted. These crops turned under afford both humus and nitrogen, and are, therefore, valuable renovators of impoverished soils. The principal sources of nitrogen in commercial fertilizers are nitrate of soda, cotten seed meal, sulphate of ammonia, dried blood and tankage.

Phosphoric acid is necessary for the healthy growth of plants, and it is essential to the best production of both stem or straw and seed. For best results, however, the soil on which it is used should be rich in nitrogen, otherwise the plant growth will be tall and spindling with very little increase in fruit, grain or seed. It hastens maturity, and is valuable where early ripening is important.

The principal commercial sources of phosphoric acid are raw phosphate rock, acid phosphate or dissolved phosphate rock, dissolved bone black, bone meal, dissolved bone and Thomas slag. In phosphate rock and bone black the phosphoric acid is insoluble and unavailable as plant food, consequently these materials produce effects very slowly. Treated, however, with sulphuric acid, the result is super-phosphate or acid phosphate, the phosphoric acid being then soluble and at once available. These materials also contain lime, which makes them specially valuable on acid soils.

Potash is found in large proportions in all plants. It is essential to the production of starch fiber and the growing parts of the plants. Without it there cannot be full development of either plant or seed. Excess of potash does not show any special effect on the plant, but a lack of it is shown by a weakened growth, lack of fruitfulness, and slow and unsatisfactory development. The greatest supply of potash in the world is at Stassfurt, Germany, where soluble potash salts are mined in large quantities. Muriate of potash is the cheapest form, but it is not the best for certain crops. Kainit is another potash salt, which contains chlorine, and is especially valuable on sandy soils. It is a great aid in the retention of moisture, tends to destroy insect life, and to prevent plant diseases. Hard wood ashes are a valuable source of potash, though the amount contained is variable, and not large at best.

We have treated these elements of fertility separately, but the crops do not. For good results they must be combined, and excess of any of them in soil is a relative term. A soil so rich in nitrogen as to produce excessive plant growth with lack of fruitage may be made specially productive by adding phosphoric acid and potash until the plants have what may aptly be called a blanched ration. And so of the others. The progressive farmer is making a study of soils and fertilizers.

"The Farmers Society of Equity" is an organization in a class of its own. I have long believed it to be capable of high and valuable service to the toilers * * * There is a big work to be done in Georgia in matter of better prices and the way in which produce should be marketed in order to get the best prices."—Martin V. Calvin, Sec. Georgia Experiment Station.

LIME AND INOCULATION IN GROWING ALFALFA

UP-TO-DATE FARMING has not given as much space to alfalfa growing as some papers have, not that we have underestimated the value of leguminous crops, such as the clovers and field peas, that need only to be planted to be grown successfully in the far greater portion of the United States, are not grown to the extent that they should be. We concede the value of experimentation, and acknowledge that some of our greatest agricultural triumphs are the result of it. But we have thought it best to urge the certainty at least until that certainty had approximately satisfied the great need for its effects. That has prompted us to give more space to the better known and more certainly adopted legumes.

But the successful growing of alfalfa throughout the agricultural states would be a great gain for farming, and an experiment tried and recommended by the New York station may be tried on any farm, and we, too, recommend it for its simplicity and effectiveness.

Take an acre of land whose soil represents as nearly as possible the soil of the farm. Divide this acre into fourths just as a quarter section of land is divided; or it may be divided into four strips of equal width extending across the acre. We prefer

CONGO
NEVER LEAK
ROOFING

Guaranteed for 10 Years

When you buy roofing, your principal thought is—how long will it wear? With most roofings you must guess. With Congo Roofing you get a definite answer.

Congo Roofing (2-ply or 3-ply) will give you satisfactory service for ten years. This is guaranteed to you with a signed legally-binding Surety Bond issued by the National Surety Company of New York.

The fact that we are willing to give such a guarantee is an assurance to you of the quality of Congo.

Congo is sold in handy rolls. Nails, cement and rust-proof galvanized iron caps free. You can lay it yourself.

Sample and Booklet Free.

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Congo on Cottage at Pond Point Beach, Conn.



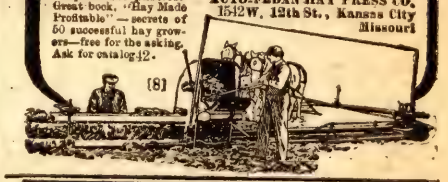
Bale 25 Tons a Day!

Double Your Hay Profits! Cut Down Cost of Baling!

Bale 3 tons every hour with the **mightiest double-efficiency hay press in the world!** Famous AUTO-FEDAN—simple, easy to run—only two men needed—cuts down labor cost one-third! Three stroke press—self-feed—easy draft—whips out neater and smoother bales than any other press in the world! Ask any man who owns one! Shipped on free trial to responsible parties.

Great book, "Hay Made Profitable"—secrets of 50 successful hay growers—free for the asking. Ask for catalog 42.

AUTO-FEDAN HAY PRESS CO., 1542 W. 12th St., Kansas City Missouri



1 MAN AND ONE HORSE BALE 1 TON an HOUR

Do Your Baling Cheaply

Our Daisy SELF-THREADING, self-feeding one-horse hay press is the only one on which one man can do all the work. First successful self-threading device. Self-feed, automatic condenser increase results. Open side hopper. Five days free trial. Write today for prices and reports of actual work.

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ONE OR TWO-HORSE, AND GASOLINE BELT POWER.



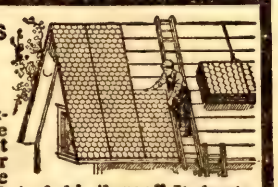
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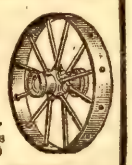
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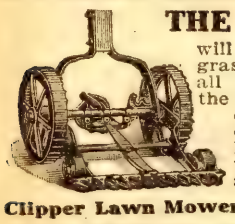
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the latter division as it is more easily worked. The object is to determine what the soil of that particular farm needs to grow alfalfa. Work the entire acre carefully and well, so there may be the least possible growth of weeds. Sow the first strip in alfalfa alone, with no treatment other than the general working. Sow on the second strip at the time of sowing seed, from 75 to 100 pounds of soil from a field on which alfalfa has been succesfully grown. Get soil known to be well inoculated even though it must come from a distant state. The expense cannot be great. Give the third strip a treatment of lime, but without inoculation. The fourth strip is to have both lime and the inoculated soil. In harrowing after sowing and treatment, begin with the first strip and harrow lengthwise of the strips, so as to avoid the mixing of the treatments. This simple test will show in a single year what that farm needs to grow alfalfa.

POPULARIZING THE SILO

THE high cost of feed is popularizing the silo. One of the effects of it is to bring the cheap feed of summer into and through the winter, thus materially reducing the cost of the winter feed. Another effect, and even more important is the benefit to the animal system of a continuation of the succulent feed nature so lavishly provides during the summer.

Saving the uncured feed in a state of nature maintains the natural bulk, thus greatly increasing the acreage yield of winter feed, and enabling the farmer to increase his meadow acreage and his sales of hay.

The only thing in the way of the more general use of the silo is the first cost; but when that is equitably divided among the years of its usefulness, the profit is decidedly on the side of the silo. It brings the pasture into the barn lot, and keeps it up through the winter.

THE FLOATER

EVERYONE who glances at the above heading will think we are going to write of a certain class of voters. Partisans, for their own selfish purposes, have made odious a term they apply to citizens who do not always vote according to the dictation of the same party machine.

But we wish to talk about a very different kind of "floater." One should find out what he is best adapted to, what is most agreeable to his physical and mental makeup, the thing he can make the best and most agreeable success at, and then he should stick to it. If he is adapted to farming and likes the business, he should stick to it, and become a farmer, not a farmer of the antiquated days, but a farmer of today. There is more in farming than plowing and planting and hoeing and harvesting. There is room for thought and progress. Though the oldest calling on earth, it is still the best for those who do it best, and every year there are new and important problems to solve.

The man who is always hunting a blossom end, who is floating from one thing to another, can neither be nor do his best. This is an age of concentration of effort as well as of money, and the man or family that concentrates in certain lines will lead in those lines, while the one that floats from one thing to another, a bit of driftwood on the stream of affairs, will be a bit of driftwood and nothing else. Be satisfied with your calling but not with the progress you have made. There is always something better; go after it.

One of the advertisers who has been with UP-TO-DATE FARMING almost from the day of its beginning, averaging an advertisement to nearly every issue of our paper in that time, is the Chicago House Wrecking Co., Chicago, Ill. In all the time they have used our columns, they have always, so far as we know, treated our subscribers honestly, and given them good value for their money.

Las issue they had a big advertisement on the last page, containing many interesting bargains. You should write for "Price Wrecker" No. 204, which is free, to our readers.



B

"Why Don't You Use Amatite ROOFING? It Needs No Painting!"



EVERYTHING about Amatite appeals to the man with common sense. He can see its superiority at once—the *real mineral surface* which never needs painting; the *two layers of Pitch* which is the only imperishable waterproofing known; the two layers of *heavy Tarred Felt*—all these contribute to the popularity of Amatite.

We can make Amatite better and cheaper than anyone else on account of our greater facilities, and consequently we sell it at a surprisingly low figure.

Simply the fact that it *needs no painting* is enough to make a man sit up and take notice—especially the man who has spent dollars and days in painting and repainting his smooth-surfaced roofings.

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Rich, Deep, Black Corn and Wheat Land

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Consists of a number of splendidly improved farms, under a high state of cultivation. Corn yields 80 bushels to the acre. Wheat yields 35 bushels to the acre. Clover yields 3 tons to the acre. Clover seed yields 5 bushels to the acre. These different farms will be subdivided in tracts to suit, with or without buildings. Only two hours ride from Chicago. Prices from $50 per acre and upward. Terms one-third cash; interest 5 per cent. Free map and booklet on request.

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PROOF

That Farmers all over the World are Discarding Common Cream Separators for

SHARPLES DAIRY TUBULARS

We will mail to you, free, large pictures showing the immense number of common cream separators recently exchanged for Sharples Dairy Tubulars. These pictures would cover more than one page of this paper, and are positive proof that farmers all over the world are discarding common machines for Sharples Dairy Tubulars. These pictures show just a short time accumulation of these discarded common machines. Write for these pictures at once.

Sharples Dairy Tubular Cream Separators contain neither disks nor other contraptions, yet produce twice the skimming force, skim faster and skim twice as clean as common machines. Because Dairy Tubulars are so simple, they wash many times easier and wear several times longer than common separators. Tubular sales exceed most, if not all, others combined. Tubulars probably replace more common separators than any one maker of such machines sells. The World's Best. World's biggest separator works. Branch factories in Canada and Germany. Write for Catalogue No. 136



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Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort, Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

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Spencer, Indiana.
Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

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UP TO DATE LIVE STOCK AND DAIRYING

OLEOMARGARINE

THERE have been discovered or invented substitutes for almost everything in general use. The substitute does not cost so much to produce it as the real article, and it is not so good. If it cost as much there would be no inducement to furnish it, and if it were as good it would cease to be a substitute and would become a real article under its own name. The inducement to manufacture a substitute is the greater profits, and as a rule deception is employed to cause people to buy and use it.

Oleomargarine is the principal substitute for butter. Farmers generally know little about oleomargarine except what they have read of it in the papers. It is manufactured principally at the packing houses, and it is a compound of tallow and other ingredients, probably containing some inferior grade butter that has become otherwise unsalable. We have no reason to say it is not clean or that it is unwholesome. Many have used it thinking it was real butter. It can be manufactured at much less cost than real butter, and if allowed to sell as butter it could soon drive real butter off the market, and ruin the dairy business.

To protect the manufacturers of real butter, therefore, a tax is placed upon oleomargarine that is made to resemble and is offered for sale as real butter. The object of the tax is to bring the cost of oleomargarine above that of real butter so that it cannot be sold at as low a price as butter. There is a question as to whether that is the best way to prevent the deception of the butter users. But restriction by taxation seems to be the policy of our government, and it is followed in this case.

But if oleomargarine is not unwholesome, and if it furnishes the public an article of food that is cheaper than butter, ought not the public be allowed to have it? Certainly. But as oleomargarine. If a family or a citizen wishes to use oleomargarine because it is cheaper than butter, a law that would prevent such use, if the article is not injurious to the user, would be tyrannical and inimical to the best interests of the poor whose condition makes it necessary for them to use the cheaper foods. But the article should come to them not as butter but as oleomargarine. They should know what they are buying and using. It is the duty of the government to protect the poor from being deceived; and that is the purpose of the oleomargarine law. The manufacturers may sell oleomargarine at whatever price they please, and no one is prevented from buying, but it must be sold and bought as oleomargarine and not as butter.

Of course the manufacturers are restless under restriction, and they want the oleomargarine so it can be sold as butter, it makes no difference to them who is deceived into buying it, nor what other industry may be injured or destroyed, so they can add that much more to their monopoly and pocket the greater gains. Let the farmers and dairy people be on their guard, and see to it that the government policy of protection is extended to them as well as to other great interests that do not so much need it.

THE YOUNG SOW AND HER TASK

NATURE seems to have wisely ordered that the young sow shall not give birth to as many pigs as the old and mature sow. The owner should never feel disappointed at a small litter from the young sow. The old sow can give all the feed she consumes beyond what is needed to maintain her own body, and her entire energies to the support and growth of her pigs; but the young sow cannot do so. She herself is still growing and developing, and a part of her effort must be devoted to this necessity of her own body. If she have a large litter of pigs they must be neglected or her own growth must be retarded. The general result is incompleteness in both these functions. The sow will never be what she might have been otherwise, and the pigs will not be what they might have been had there been a small instead of a large litter. To assist in meeting these demands of nature the owner should help the young sow by giving her abundant and suitable feed, and to the pigs also so soon as they learn to eat.

STOCK AND DAIRY NOTES

No cow can make milk without something to make it of. And some materials are better for that purpose than others. In the first place, cows should have plenty of feed; in the second place, they should have good feed, and that which is good for milk production.

—o—

A neighbor had an experience a few days ago. She prided herself on the excellent quality of the butter she made. Recently the butter became almost uneatable. Its taste was horrible, and it actually smelt bad. An investigation showed that the new pasture which had just been opened was thickly set with wild onions. Lesson—milk and butter are affected by the feed the cow consumes.

—o—

A dark stall is a good place for a cow or a calf in fly time. But it ought to be kept clean and well ventilated.

—o—

A great deal is said now about the conservation of resources. The silo conserves the resources of the farm. The mow in the barn stores and saves the hay as a winter supply of dry feed. The silo stores and preserves the succulant feed of summer for use in the winter. An acre of silage will go further than an acre of hay.

—o—

The calf may be taught to eat at about four weeks old. A little shelled corn is a good thing to begin with—a little at a time without diminishing the regular milk feed. Increase a little every day, and soon begin to reduce the feed of milk.

—o—

Progressive farmers get tired of scrubs. If your cows are of the scrub order, it is not difficult now in any neighborhood to find good males to breed them to. Scrub calves are entirely out of date.

—o—

Do you usually milk three or more cows? Did you never use a cream separator? We believe it is a good rule to be equipped with the best of everything. You would like a cream separator.

—o—

The number of milch cows in the United States last year is estimated at 21,720,000, and the value of dairy products is put at a billion dollars. That is a vast sum of money, but congress seems capable of spending it—a billion dollar congress.

—o—

We do not believe it is worth while to be everlastingly trying to scare the people, but tuburculosis is more prevalent than it is usually supposed to be. Dairy herds, and even farm animals, ought to be frequently tested.

—o—

A good way to have healthy cattle is to afford them healthy surroundings. Cows feeding in malaria laden marshes will have malaria in their systems, and it will be in the



TWO KINDS OF CHEAP CREAM Separators

There are two kinds of cheap cream separators.

One is the **seemingly** cheap kind, cheap in first cost, cheap in design, cheap in construction, cheap in efficiency, cheap in durability, and cheap in everything but merit.

The other is the **really** cheap kind, cheapest in proportion to actual capacity, original in design, ideal in construction, perfect in efficiency, lasting for twenty years, and barely beginning where the other kind leaves off.

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DE LAVAL KIND

which compared with other cream separators is simply in a class by itself.

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Save time, horses, work and money by using an
Electric Handy Wagon
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ELECTRIC WHEEL CO. Box 54 Quincy, Ill.



DON'T LET YOUR HOGS DIE
from hog cholera. Green's Cholera Cure is a sure preventative and a positive cure. Given with *any* food hogs eat. Cure guaranteed or money back. 50c and $1.00 size. GREEN CHEMICAL CO., Elwood, Ind.

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Tell them you saw the "ad" in Up-to-Date Farming

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Wheat Yield in Many Districts Will be from 25 to 35 Bushels Per Acre

Land sales and homestead entries increasing. No cessation in numbers going from United States. Wonderful opportunities remain for those who intend making Canada their home. New districts being opened up for settlement. Many farmers will net, this year, $10 to $15 per acre from their wheat crop. All the advantages of old settled countries are there. Good schools, churches, splendid markets, excellent railway facilities. See the grain exhibits at the different State and some of the County fairs. Letters similar to the following are received every day, testifying to satisfactory conditions; other districts are as favorably spoken of:

They Sent for Their Son

Maidstone, Sask., Canada, August 5, 1910.
My parents came here from Cedar Falls, Iowa, four years ago and were so well pleased with this country they sent to Coeur d'Alene for me. I have taken up a homestead near them, and am perfectly satisfied to stop here. LEONARD DOUGLAS.

Wants Settlers' Rate for His Stock

Stettler, Alberta, July 31, 1910.
Well, I got up here from Forest City, Iowa, last spring in good shape with the stock and everything. Now, I have got two boys back in Iowa yet, and I am going back there now soon to get them and another car up here this fall. What I would like to know is, if there is any chance to get a cheap rate back again, and when we return to Canada I will call at your office for our certificates.
Yours truly, H. A. WIK.

Will Make His Home in Canada

Brainerd, Minn., August 1, 1910.
I am going to Canada a week from today and intend to make my home there. My husband has been there six weeks and is well pleased with the country, so he wants me to come as soon as possible. He filed on a claim near Landis, Sask., and by his description of it it must be a pretty place. My brother-in-law, Mr. Frank J. Zimmer, lives there and it was through him that we decided to locate in Canada.
Yours truly,
MRS. RICHARD HENRY EBINGER.

Send for literature and ask the local Canadian Government Agents for Excursion Rates, best districts in which to locate, and when to go. Address

W. H. Rogers
3rd Floor Terminal Traction Bldg.
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THAT GREAT FRUIT and TRUCK GROWING SECTION—
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We give away one magnificent 50-piece wedding dinner set, choice of three patterns, one Pres-Cut Glass water set, six Rogers silver teaspoons, six Austrian linen napkins. Not a part of these, but ALL OF THEM, just as described. We have the most beautiful dinner sets you ever saw These goods are made by the biggest and best manufacturer of china in this country. Every piece is guaranteed to be just as described. Our glassware is as brilliant and scintillating as anything you ever saw.

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We want you to distribute a few of our magnificent Colored Pictures, size 16x20, at 25 cents each. There are thirty-two pictures in all. Our plan makes it so easy for you that nearly everyone you meet will take a picture, and you will have them all sold really before you know it and all these beautiful premiums will be sent to you promptly.

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Just send us your name and address, a postal will do [no money], and we will send the pictures and all about our easy plan, by return mail. This is the biggest and best offer made. Do it today. See what we give you. All free. Address

L. Kerber, Mgr., 141 W. Ohio St., Chicago, Ill.

milk and cream and butter, also, from which it may be communicated to those who use them.

—o—

Don't be uneasy about the outlook for horses. Gasoline engines and electricity are doing much and greatly benefitting the human family, simplifying many forms of labor; but there is still room for the horse, and the demand for him seems constantly increasing. Prices are high, and going higher for both horses and mules.

—o—

A farm without any colts growing up on it lacks an important element of financial success, and is devoid of what affords much pleasure to most farmers and their families. Our farm was never so attractive as when five or six nice colts were growing up on it.

—o—

A gentle colt may be allowed to run on the large farm lawn without doing damage, and it may greatly aid the lawn mower. It will seldom bite or walk on the flowers, and it will nibble the grass around the shrubs more closely than the machine will cut it. It may feed there for half a day at a time, and seldom leave any filth; but it will make the acquaintance of the whole family, and be a pleasure to all. But it will not do to treat a calf so; it will do mischief from the very start.

—o—

Fattening animals should be kept free from excitement. In such animals the alimentary system must be at its best, performing its best functions. That means quiet nerves, and what we may not inaptly call mental repose. This is particularly true of nervous animals like sheep. Gentle treatment and quiet surroundings are better for all stock.

—o—

Elderly farmers can now look back and see many ways they could have done better and made more money. It is a pity young farmers are not more disposed to learn from them. One bit of advice is sure good: Always have something, a colt, a calf, a sheep or a pig, that is growing and increasing in value. Grow up with the calves, and colts and pigs.

—o—

The stock farm is freer from weeds than is one where stock is not kept. Many of our rankest growth weeds are eagerly eaten by cattle, and even by horses, and sheep are a special weed scavenger. Some of our most troublesome growths can be killed out only by pasturing the land, among them we may name the trumpet creeper, a bad pest on some farms. It is true certain weeds grow in pastures in defiance of the stock, but for all that, stock aid in ridding the farm of weeds.

CHANGE IN SHEEP HUSBANDRY

A FEW years have brought great changes in almost all lines of farming, but in spite of the changes in other things, we believe the greatest changes may be noted in sheep husbandry. Just a few years ago the purpose of keeping sheep was for the wool. Mutton was little considered. Hence size and weight of carcass was not much regarded. When sheep went onto the market at all, it was at four or five years old, and rapid growth and early maturity was little thought of.

Now the carcass is the principal element of profit, and there is an ever open market with an unsatisfied demand. Lambs are sold at from 80 to 100 pounds, whereas only a few years ago, old sheep did well to weigh that much.

SUCCESSFUL HAY FARMERS GIVE UP THEIR SECRETS

The net results of interviews with 50 of the most successful hay growers in America ought to be of considerable interest to every farmer, such a book dealing with real practical methods, employed by these kinds of hay growers, telling when they cut, how they cure their hay—how they take advantage of the market, and many other pointers ought to be of the greatest value to other farmers, and yet at considerable cost Mr. E. P. Ross of the Auto-Fedan Hay Press Company 1542 W. 12th St., Kansas City, Mo., has prepared just such a book, which he is giving free to all our readers who ask for it.

HE WAS RECKLESS

Susie—Jack and I are to get married; he proposed last night.
Milly—That is precisely what I expected he'd do.
Susie—Did he tell you he would?
Milly—No, but when I refused him he said he didn't care what become of him.

NET $500.00 TO $1000.00 PER ACRE IN MANATEE FLORIDA

Growing
Oranges, Grapefruit, Vegetables.
Thousands of satisfied settlers are making
INDEPENDENT FORTUNES
You are offered the same opportunity. Buy a few acres now while the land is cheap—prices are advancing. Quick transportation to the best Eastern and Northern Markets via the S. A. L. Ry. Ideal climate year round—no freezes, no extreme heat—abundance of pure water—plenty of satisfactory labor.
It's America's Fruit and Garden Market.
An instructive booklet fully describing this country will be sent free.
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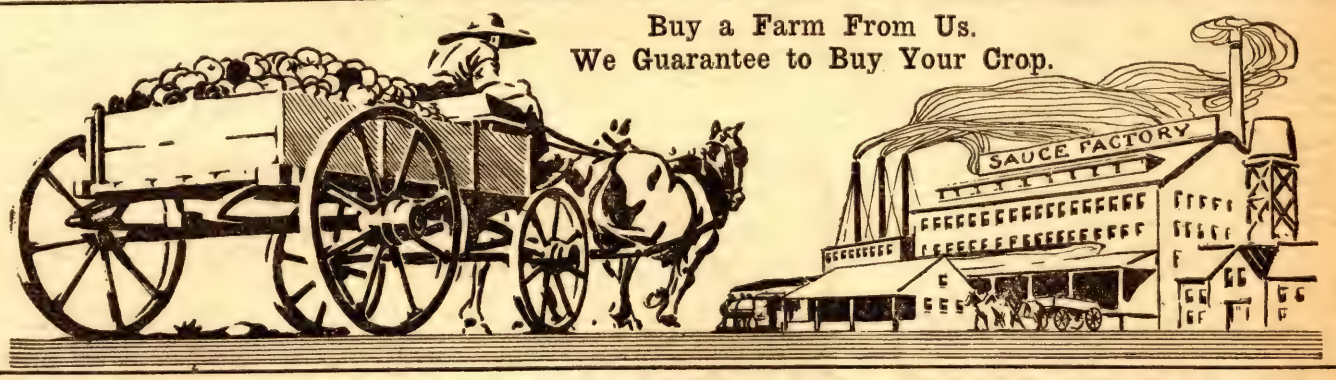
If you buy Celery Farms property—ten acres—you get your railroad fare both ways. We have 60,000 acres in the finest section of Florida, a place where the crop of potatoes in 90 days will pay for the land and put money in the bank. Rail and river transportation, the best market, the earliest market, where the owners of the Colony help every man to success. We want 1000 families in the next sixty days and make concessions that will bring them. Don't wait to write tomorrow—
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This Factory Guarantees to Buy All Peppers and Tomatoes Raised on Farms Sold by Pensacola Farm Lands Co.

There are thousands of people looking towards Florida today, with a view of making it their home. There is no better section in the State than Escambia county in West Florida. With the productiveness of the soil, enough vegetables could be raised right here to supply the entire State. There is no limit to the value which an acre of ground may be made to produce. This Company has closed a contract for the Red Snapper Sauce Company, a $100,000.00 manufacturing concern, to come to Pensacola. Their buildings will be erected and the plant in operation by the first of January 1911. Securing this factory enables us to **guarantee you a market for all the peppers and omatoes you can raise, at a good price.** It will be located oon our land, thus saving you a haul to the city. **We are now ready to make a contract with you for your next year's crop.** The L. & N. Railroad and the P. M. & N. O. will afford you good shipping facilties. We yill donate sites for schools and churches, and will assist any and all denominations. WE WILL DONATE TO ANY FACTORY A FREE SITE. We want, and intend to have, good, industrious people who are looking for homes and are willing to work.

We are going to dispose of 100 of these farms by October 31, at $250 each—$25 cash and $12.50 per month, or 20 per cent cash and balance one and two years equal payments, deferred payments to bear interest at 8 per cent per annum, or where all cash is paid, we will allow 8 per cent discount. If you want to secure one of these farms at this price, you had better make your selection and send in your first payment.

The Pensacola Farm Lands Co., Pensacola, Fla.

Gentlemen:—I hereby make application for ....farms in your Farm Tract in Escambia county, at $250 per farm. You to furnish deed contract.

I hereby appoint you as my agent to select this tract of land for me, but I am to have the privilege, at any time within 90 days from date, of exchanging the tract for any other of the same value remaining unsold, provided, upon inspection, I find another which suits me better.

I want the land for (*State purpose*).....

Name .....

Address .....

Date .....

Up-to-Date Farming.

To such, we say COME, for here is all anyone could want in the way of the best farming lands, pure water and the best climate in the world.

REMEMBER, only **100** *at this price*, and on receipt of first payment we will give you contract for deed. Don't wait or put it off, for if you do you may not be one of those to get one of the 100.

REMEMBER, each lot has about 4.75 acres (not quite 5 acres). The roads take up the difference.

Write us today, not tomorrow, or next day, but today. Investigate our standing. Write to any business firm or bank about us. We positively guarantee every farm on this plat to be high, dry land, which can be successfully cultivated, and except for location, one farm is practically as good as another. Remember, we furnish expert competent advice to all through our government soil specialists.

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Insures Clean Fowls—Large Profits It has been the standard lice-killer for over 25 years—the standby of successful poultry-keepers. Easily used, absolutely safe; sure and quick in results. Most economical because it goes farthest. Try it, and see young fowls grow faster and hens lay more. **Sample 10c.**

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IT ONLY COSTS one cent to learn our *unheard of prices* and *marvelous offers* on highest grade 1911 model bicycles.

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A PATENT PATCH



They mend leaks instantly in granite ware, hot water bags, tin, copper, brass, cooking utensils, etc. No heat, solder, cement or rivet. Anyone can use them. Fit any surface. Perfectly smooth. Wonderful invention. Millions in use. Send for sample pkg., 10c. Complete pkg. assorted sizes, 25c. postpaid. Agents wanted. Write today.

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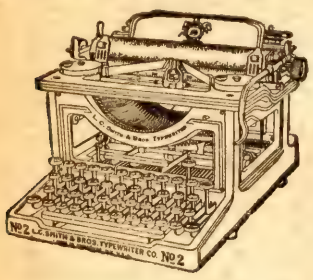
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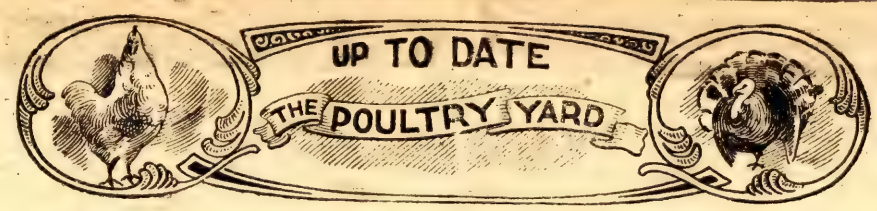
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INDIANAPOLIS BRANCH, No. 5 W. Market St.



CAPONS ARE PROFITABLE

MR. J. E. Haag, of Springport, Mich., who makes a business of raising capons for market, sold 40 capons to one man for $92.18, which was a little more than $2.30 each. He had 80 capons whose total weight was 793 pounds, which he sold for $175.66, an average of about $2.20 each.

Mr. Haag starts his chicks on commercial feed, and after they have attained sufficient size they are fed dry mash and such grains as can be bought of the farmers or at the mills, mainly whole corn and oats. It takes somewhat longer to mature capons than pullets, but it costs no more as they are not heavy feeders. He grows them in small colony houses on a grass range until the snow covers the ground, and then they are removed to larger houses, not more than 40 in flock, where they are kept until ready for market, which is in January or February. Eight-pound capons are in good demand, Mr. Haag says, and usually bring from 20 to 23 cents a pound live weight. Mr. Haag prefers Light Brahmas on acount of their large size and rapid growth. He does his own caponizing, and has very little loss from the operation, which he learned to perform successfully with no other instruction than that which accompanies the instruments.

RHODE ISLAND REDS

SO far as all purpose fowls are concerned, the Plymouth Rocks and Wyandottes have had it all their own way, but they now have a strong rival in another American breed, the Rhode Island Reds. These birds had a peculiar origin. Some American sailors in a distant European port took a fancy to some red roosters and procured a number of them to be used as fighters for their amusement on the return trip. Some of these roosters survived the voyage, and fell into the hands of an intellegent Rhode Island poultry raiser, who selected a number of native pullets whose characteristic features confirmed as nearly as possible to those of the foreign males. This mating was kept up with a view to development of the same characteristics until the desired qualities were fully developed andfixed. That was the Rhode Island Reds, one of our most popular and most valuable breeds—a good layer, hardy, large and rapid grower.

THE LATE HATCHED CHICK

SOME of our readers misunderstood a brief article in August 15 issue discouraging late hatching of chicks. We were writing entirely for farmers who hatch under hens and who raise the chicks without brooders, and it was rather midsummer hatches we referred to. That fact we should have made plainer.

Where incubators and brooders are used the late hatched are among the most profitable. In fact, they help to fill a demand for both eggs and young chicks that the arguments we used make it impossible for midsummer hen hatches to satisfy. Those who, by their aid of incubators and means of caring for chicks other than the natural out-door way, supply this demand, thus helping to equalize the supply, will benefit both producers and consumers, and reap a harvest for themselves.

IN SOME DOUBT

The vocalist told the anxious mother that Lizzie's voice was good, but Maude's was better still. And now she does not know whether to be angry or proud.

WATER FOR CHICKENS

IT is possible that no living thing on the farm suffers more for water than the chickens. The reason is that in this respect the chickens are most neglected. Fowls do not drink much at a time, but, especially in hot, dry weather, they drink very often if they have access to water, and if they have not they suffer.

Keep plenty of fresh water in the vessels. The simple poultry drinking fountains, that cost very little, practically solve the problem. A gallon syrup or paint bucket, with a flat bottomed tin pan to invert it in, may serve as a fountain. A small stone or brick should be put on it to hold it steady.

Leg weakness may be caused by feeds not containing enough of phosphates. Corn meal or chopped corn may be of that character—too much fat and not enough protein. Chicks that run at large, however, usually get enough worms, bugs and gnats to properly balance the ration. It is a good plan, though, to give them access to wood or coal ashes, and to lime and suitable grits. Ground bone is an ideal phosphate supply.

—o—

Do not take any chances on the dust bath. Be sure that every fowl may have it at pleasure. Ashes, wood or coal, added to the dust bath, is a decided helper.

—o—

The chicken yard and the hog lot may well compare profits. Hogs are high enough, conscience knows, but poultry is high also. Only a few weeks ago a lady friend of the writer sold a dozen ordinary farm grown hens that brought $12 by weight in a village market. Young chickens and broilers are bringing like high prices. The housewife who runs the poultry has got the farmer turned down in sure and steady profits.

WOULDN'T LIKE IT

Mac—I wish I could see myself as others see me.

Jane—You wouldn't but once; you'd be shocked.

Petaluma Incubators and Brooders

Prize Winners at St. Louis, Portland and Seattle the Grand Prize

attest their superiority over any other Incubator and Brooder.

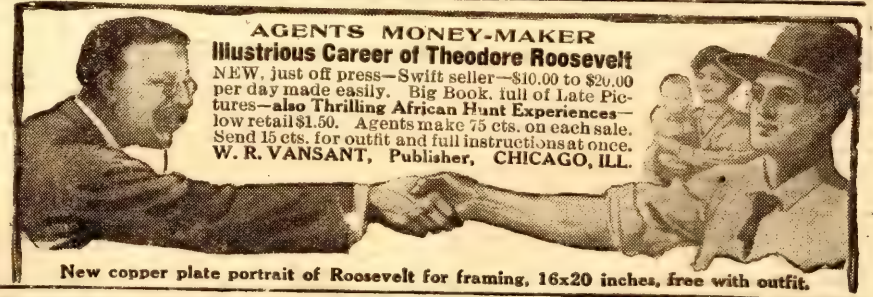
Send for catalog and be convinced.

Indian Runner Ducks. The kind that lay 275 white eggs each year. Two females and one male, $5.00. Four females and one male, $7.50.

Petaluma Incubator Co., - Indianapolis, Indiana

AGENTS MONEY-MAKER

Illustrious Career of Theodore Roosevelt



NEW, just off press—Swift seller—$10.00 to $20.00 per day made easily. Big Book, full of Late Pictures—**also Thrilling African Hunt Experiences**—low retail $1.50. Agents make 75 cts. on each sale. Send 15 cts. for outfit and full instructions at once.

W. R. VANSANT, Publisher, CHICAGO, ILL.

New copper plate portrait of Roosevelt for framing, 16x20 inches, free with outfit.



WANTED AGENTS SALESMEN MANAGERS

We need good honest men who are willing to work. We are appointing salesmen every day to demonstrate, advertise, accept orders, and make deliveries for our wonderful new fire extinguisher in their territory. We want general agents and managers also, and we give enormous profits. It is an opportunity to get away from the slavery of wages; to get into business for yourself. You will be your own boss—you will be independent, have abundant money, pleasant position, and your time will be your own. It is the chance of a lifetime.

NO EXPERIENCE NECESSARY

We will appoint you and teach you everything about the business. Anyone—young or old—who is honest can secure a position. Our active salesmen are always furnished complete sample outfit free. Hundreds are getting rich.

LISTEN:— Edward McGough, O., says: **"Made $160.00 last week. Easiest thing in the world. Everybody buys. Everybody satisfied—me best of all."** E. J. Dirr, Mich., writes: "Never dreamed of anything selling so easily. **Eighteen orders one day—profit $22.50.** No trick at all—just show and take the order." That's the way it goes—every man prosperous and happy—coining money hand over fist. F. J. Baughman, Ohio, says: "Sold 15 first day: Going fine, **fine, FINE.** Ship 250 at once. **Hurrah for more business."** I. C. Gordon, Ind., telegraphs: "Ship 150 today. **All sold out. Everybody wants to buy."** G. J. Hoyt, Pa., called up by telephone and ordered 100. He said: "The fastest seller in the world. Anybody can sell it. **My boy, 14 years old, sold six yesterday afternoon."** O. R. Joy, Ill., "started out 10 a. m., **sold 14 by 3 o'clock"**

This is a big reliable manufacturing company, and we offer honest, ambitious men a chance to make thousands of dollars. No matter where you live, write at once. This machine is the most startling, wonderful, lightning seller brought forth in a hundred years. Simply show and take the order. It is the

MOST AMAZING INVENTION OF THE AGE.

But don't delay. Territory is going fast. You should write today.

Think of it. **A chemical fire extinguisher that even a child can use.** Always ready. Acts instantly. **Death to any fire.** Low priced. **Absolutely reliable.** Not sold in stores. **Guaranteed in every particular. Will last forever.** Operates anywhere, everywhere. Wonderful combination of mechanical and chemical forces. Pronounced a marvel of science. No more homes destroyed because a fire department is not available. No more wives and mothers burned to a horrible death from exploding gasoline stoves. No more danger on farm, in towns, factories, schools, theatres, stores, anywhere—everywhere—if the **U. S. Chemical Fire Extinguisher** is there. The machine is **absolutely guaranteed,** and it sells on sight. Everybody needs it. **Saves life, property, insurance.** Everybody interested—eager to obtain it—eager to order. Could anything be easier—better—than supplying this demand already created? You can

MAKE $4000

this year demonstrating this machine upon our grand special introductory price offer.

We want a good man in every territory **to fill orders, appoint, supply, control sub-agents.** Exclusive territory, protection, co-operation, assistance. **166 2-3 per cent profit to salesmen.** Prompt shipments. Square deal. Personal attention. Everything to help you succeed—to help you make money. Field untouched. **No Risk.** You simply can't fail. Write for your county today. We want a thousand ambitious men.

SEND NO MONEY Only your name and address on a postal card for complete information, offer and valuable statistics on fire losses **FREE. Investigate.** Write at once. Give name of county and write your name plainly. Address

THE UNITED MFG. CO.,
140 Mill St. Leipsic, O.

[Reference: The Bank of Leipsic. Capital: $1,000,000.00.

Illustration drawn from Life

Anyone can successfully do this work. All we require is honesty and industry. No experience necessary. We teach you how to make one-minute demonstrations that simply amaze everybody. You will demonstrate to homes, schools, theatres, factories, churches, public buildings, fire departments, city councils, etc. Everybody is interested. Everybody a customer. Work can be done in spare time at the start, if necessary. Women successful the same as men.

Remarkable New Wheat--Introduced 1909

GRAINS O'GOLD

IN introducing this wheat last year we said:

"This new wheat, like other varieties of our introduction will immediately spring into great popularity. Our customers who secure seed this year, although the price is rather high, will be in line to reap the rewards with us, that always come from introducing a valuable new variety of grain. All that can be raised of Grains O'Gold wheat for several years will be needed for seed purposes."

What we said has come true in a tremendous degree. Wherever Grains O'Gold wheat was sowed it has surprised wheat growers by its hardiness, vigorous growth and guarantee of great yield. (Space prevents us printing many more testimonials). The testimonials below are from people who grew this wheat for our trade on contract and are fair examples of the experience of a great number who took our advice last season and bought the wheat outright. Everyone of them will find quick sale for all he has to spare at our price in the neighborhood. And what is true this season will be true for several years. So if you are a wheat grower and want to raise the very finest wheat in existence, as large a yielding, smooth wheat as has been originated in probably fifty years and one that you can sell for seed at an extra price, send your order now for the Grains O'Gold wheat.

This grand wheat was originated by Mr. Adams, the originator of the Fultzo-Mediterranean which is a wonderful wheat. The selection and breeding to establish the Grains O'Gold covered a period of eight years. The heads of this new variety have white chaff, are medium long, about a third longer than its parent. The meshes are almost as close as the club headed sorts, consequently a head has many meshes, many grains. The head illustrated here is exact size of an average head. It is made to represent the chaff removed on one side exposing the grains. Note how many are on one side. Twice this number is the number in the head. We say positively that this is not an unusual head but a common one with the Grains O'Gold wheat.

Grains O'Gold is one of the hardiest varieties to stand hard winters and also to recover from many winter freezes. It stools in a truly wonderful way, grows tall, but stands up well, color while growing the darkest green of any wheat denoting wonderful natural vigor. The grains are medium size, amber color, fine hard texture. A field of Grains O'Gold wheat is different in appearance from any other variety at almost all stages of development and at harvest the thick, long white-chaff heads, with golden grains drooping and waving in the sunlight is a beautiful sight. Read below reports:





A head of Grains O'Gold wheat with chaff removed on one side and the grains exposed. This illustration shows the length and breadth of a fair average head, the number of meshes and how located on the head. The drawing is a true copy of the head.

The Grains O'Gold wheat stood the winter well, markedly better than any other variety in this locality. It is very vigorous, rank growth and from all indications will yield at least 25 per cent more than any other variety about here. It appears to be the very best wheat, especially this year which was the second worst for wheat I have known in 12 years. The wheat in this county is not over 40 per cent of a crop but Grains O'Gold will make good 25 bu. per acre.
J. R. Free, Highland Co., O.

The Grains O'Gold wheat stood the winter O. K. It has grown of good height with very stiff straw and heads are well filled. It is the best that is around here.
Henry McGaughey, Knox Co., Ind.

We had a very hard winter on wheat but your Grains O'Gold stood it fine and grew rapidly in the spring, in my judgment it is the best wheat and was headed out before others started. The heads are well filled with plump grains 4 to 6 grains to a mesh. I estimate the yield at 30 to 35 bushels to the acre while I have no other variety that will go over 25 bu. to the acre. I do not regret the money spent for this wheat. It is the best I have.
Your pleased customer, Jacob Hentzel, St. Clair Co.,Ill.

I like Grains O'Gold very well. It stands the winter all right.—Austin Burnett, Bedford Co., Va.

I ordered 10 bushels Grains O'Gold. The wheat was delayed in transit and was sowed very late. The winter was very bad on wheat and much of it was winter killed. Notwithstanding all this it made very vigorous growth and is the best crop in this section. Grains O'Gold is a fine wheat. Not harvested yet.—W. H. Jordan, Daviess Co., Ky.

The Grains O'Gold wheat I bought of you last fall is a splendid wheat. It is filled beter than other kinds. Not threshed yet.—J. O. Burke, Culpeper Co., Va.

Grains O'Gold wheat stood the winter fully as well or better than others. In strong growth it excells other smooth varieties by ten per cent while we estimate the yield will be 20 per cent greater than any other variety we have.
Very truly yours, J. T. Higgins, Shelby Co., Ind

Grains O'Gold is by far the best wheat and will yield one fifth more than any other kinds raised around here. ———Somerset, Ky.

From one years experience with Grains O'Gold wheat we can express great satisfaction with it. The wheat has the greatest recuperative powers after a hard winter of any wheat we know of. It will make a remarkably good yield.
J. B. C., Decatur Co., Ind.

The supply of this wheat is very limited. We believe that it will not last through the seed selling season. This is a case that suggests prompt orders so if you want to be sure of getting some GRAINS O'GOLD wheat this year don't waste any time in engaging what you want. If not convenient to make full remittance send one-fourth with the order and the balance when you want the shipment made, or pay the balance when the wheat arrives.

No charge for bags. Order from this advertisement or send for free catalog.

WHEN TO SOW WHEAT

It depends on the latitude of your secton and on the quality of the soil. If the ground is poor the seeding should be done earlier than if it is rich in fertility. It seldom pays to sow wheat on poor soil.

We wil suppose that the ground is in a fair state of fertility then, from many tests the best average season to sow wheat in Central Indiana (the latitude of Indianapolis) is from the 20th to the 27th of September. For each 100 miles north of this latitude one week earlier and for 100 miles south one week later is a good rule, decided by the average tests.

In farming more than any other busness, the AVERAGE should govern. We have known nearly a whole community of farmers to follow one example and suffer loss. For instance wheat sown the last of August may, in exceptional seasons, surpass in yield the fields sown later. But the danger of fly are multiplied by early sowing and one early sown field may breed enough fly to destroy the crop over a large territory. Late sowing is the best insurance against fly, but a medium season has proved to be the best and farmers who adhere to it will have the greatest number of successes, consequently the fewest failures. Our hardy, vigorous varieties of wheat are particularly well suited for late sownig.

PRICE FOR 1910—We will send one pound by mail postpaid for 30c or 4 pounds for $1.00. By freight or express ¼ bushel, $1.00; ½ bushel, $1.50; 1 bushel, $2.50; per bag of 2½ bu., $5.50; 5 bushels or more at $2.00 per bu.

O. K. SEED STORE, DEPT. A, Indianapolis, Ind.

GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

HAVE WE MADE GOOD?

For nearly two years this DEPARTMENT has been run in the interests of the EQUITY farmers of this country. HAVE WE MADE GOOD? If so **you will want all of your frinds to know of us** and our work, and we will judge of OUR SUCCESS AND OUR VALUE TO YOU BY THE NUMBER OF SUBSCRIBERS YOU SEND US. The rush of farm work is over. SEND THEM IN TODAY AT 25c EACH FOR A YEAR. May we hope that a large number will attest that WE HAVE MORE THAN MADE GOOD.

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

THE 1910 CROPS

During the month of August I traveled extensively over the garden portions of the State of New York, the largest, in point of trucking crops, in the union, and carefuly noted conditions, as well as interviewed gardeners, in order to get an insight into the results from, and the conditions relating to, the crops of the past season.

The crops principally grown in this State, aside from apples and grapes, are beans, lettuce, onions, celery, potatoes, carrots, and beets, in shipping quantities. It ranks first in all of these crops, excepting, posibly, some years, potatoes, in which Michigan occasionally exceeds it. But New York promises to resume her primacy in potatoes, as the truckers have begun to soak their seed for scab, and to spray for bugs and diseases.

Potato Crop.

The potato crop the current year is enormous in all the valleys of central-western New York, and the tubers are of the first quality. I saw one field taken up which ran two hundred and fifty bushels to the acre. It was a common sight to see the digger throw up *fifteen fine large tubers to a hill*, all smooth, and free from disease.

Celery Crop.

The celery crop is the finest ever known, and the results of the spraying and scientific treatment given this crop are plainly in evidence to every observer. By the method known as "Double-row culture," the amount grown to the acre has been almost doubled without any deterioration in quality or size, and the stalks blanch much better than under single-row culture. The prices are good. It is simply another demonstration of the value of the system of culture as advocated in this DEPARTMENT—spraying and cultivation practically unlimited.

Lettuce Crop.

In the cultivation of shipping-lettuce this region of New York leads all competitors, but this season the crop was almost a total failure through the ravages of what seems to be another new disease, locally called, "Heart-wilt." Just when the head is formed solid, and ready to be picked, it wilts and rots in a day. There is no preliminary warning, and no remedy has yet been discovered to prevent it. A cure would be of no value, as, once the heart of a head of letuce is in any way affected, it becomes un-marketable. The loss to the large growers has been immense and total. The Agricultural Department should send its experts to study and find a remedy for it.

The Bean Crop.

This is one of the staple crops of central-western New York, and hundreds of acres are being grown under intensive cultivation. The bean-growers have long since discovered the necessity for frequent spraying, and thorough cultivation, and no better evidence of their value in garden crops can be had than the success of bean culture in this region, where, a few years ago, its extinction was threatened, owing to the advent of fungous diseases which attacked the growing beans. But the growers arose to the situation, and the use of sprayers and cultivators is universal and poor crops are unknown.

The Onion Crop.

The onion crops in this section of New York are of two kinds—those which are grown on low, muck land, and those which are grown on upland, of which the latter is the larger, and better. Crops running three hundred bushels to the acre are common, but they are produced only when grown under clean cultivation. Some growers sow broad-cast, but the result nearly always is, that it is impossible to keep them free from weeds, while those drilled in can be worked regularly, and kept clean. The onions grown are mostly of the Weathersfield type, and require large quantities of manure and fertilizers, as they are gross feeders. Onions have to be sprayed for disease to insure a crop.

Carrots and Beets.

These roots are extensively grown for winter crops in some of the valleys, the product being shipped in carload lots to the large cities, where they bring good prices.

I have given the matter of these crops so much space in order to lay before my readers concrete examples of results of gardening and farming according to the UP-TO-DATE ideas as taught in these columns. If the gardeners in central-western New York should cease to spray and give clean cultivation as well as high-fertilization, their crops would be just the same kind of failures as are those of the gardener who does not do these necessary things, in other places.

In gardening, "old things are past," and new things have taken their places, and it is the province of this DEPARTMENT to teach them to the rising generation. That is the reason for our being.

FALL WORK IN THE GARDEN

Clearing the Beds.

As soon as the annual flower beds show the effects of the frosts, clear them of the stalks, and burn them all. **Do not throw them on the compost-heap** as they may contain the coccoons of noxious insects, or the spores of fungous diseases. Dig up the soil in the beds and allow it to remain in coarse ridges over winter in order to allow as much as possible of the surface to be exposed to the air.

FALL WORK ON THE LAWN

Clearing the Lawn.

As soon as the ground freezes hard at night, stop the lawn mower, so that the grass will be about four inches long over winter. The best fertilizer for the lawn is Canadian hard wood ashes spread on thickly in the fall, and a sod-fertilizer in the spring. If you are so far North as to require a mulch for your lawn, better use hay or straw manure, but never manure made from shavings or saw-dust.

Protecting the Shrubs.

There is growth and ripening of the wood in all the hardy shrubs until hard freezing sends the sap down to the roots—not all of it, for some circulates even in the coldest day of winter—but until that time the shrubs should be kept growing. In September work about them, see that they have plenty of water, and plant food if needed, and are clear of weeds, and they should perfect themselves so that they will go through the winter without damage. Do not do any pruning at this time. I will tell you when to do that. There is little that can be done in the hardy border until the hard frosts kill down the foliage, when it all should be burned for reasons given above. Later on I will tell you about the things which should have it.

Planting Hardy Borders.

This is the time—as soon as there is a light frost—to set out the hardy plants which are best planted in the fall. This includes most of the hardy perpetual plants, and many of the trees and shrubs. Your nurserman's catalogue will tell you which. Keep in mind that the hardy beds are permanent and the soil should be made rich and deep. Use no fresh (green) manure, only that which is well rotted, and if the sub-soil is of tough or "sticky" clay, give the beds or borders drainage in the bottom.

It is safe to plant hardy stuff as long as the soil can be worked—the later the better, but give a good mulch over winter.

The sweet-pea trenches should be re-made this fall, and gotten ready to stick the seeds as soon as the ground thaws as much as an inch in the spring. This is for the early ones only. There is no advantage to be gained by this extra early planting for the sweet-peas desired for mid-sumer blooming. Plant them in the first week of April.

ORCHARD

Marketing Fruit.

The ranks of the fruit men are torn with dissention as to the proper marketing of fruit, and the style of package. I came into contact with some of the large New York apple growers lately, who are in a quandary what to do. Some say that the success of the Pacific Coast packages, especially the bushel apple box, has demonstrated that the family-size package is necessary to take the family trade.

On the other hand some say that the barrel has always been the standard of eastern apple packages, and that the trade will not buy New York apples in anything but barrels.

My idea of the matter is, that the trouble is with the commission men, who always have handled them in barrels, and who would rather handle them in that shape, and that they are fighting hard to retain the barrel. Of course there is always room for a certain per cent of barrels, but if the fruit-growers desire to extend the demand for eastern fruit they will have to cater to the family trade—and they might as well do it sooner as later.

Let the fruit men in every section experiment with the boxes, and time will tell whether the eastern apple will sell better in the box or in the barrel. Of course it is to be supposed that the eastern fruit will be packed and graded as well as its western competitor.

When you send in that list of subscribers as a token of appreciation of this DEPARTMENT, cut out this coupon and pin it to the list, as an evidence thereof.

Sincerely,

Samuel Armstrong Hamilton,
Garden Editor.



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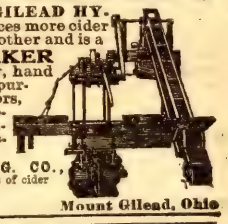
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THE BREAKING OF THE HOME

IT may not be the happiest thought, but there is coming a time when the home will be broken. How far away is that time no one can tell. Marriage may call out some of the grown-up children. The roaming spirit may claim a boy, and drag him out into the world away from all that ought to be dearest and most sacred. Business ambition may summon some into other fields, and cruel death may rob the home of some of its sweetest treasures.

Yes, the home will be broken; we do not know how nor when. Does that truth help to shape our daily lives? When the break comes and the vacancy is so sadly felt, will there be words and acts to be regretted? When all are together, and every link in the chain fits in its place, are we kind and helpful as we may wish we had been when some are missing? Much of the sweetness of the home, before and after the break, depends upon that. Oh, that good people, old and young, could realize that, and make the home, especially the homes on the farm, the place where love, and hope, and confidence, and true happiness, may find their sweetest center.

COLORS AND HOW THEY HARMONIZE

IT is difficult to dress well without at least some knowledge of the harmony of colors. Certain colors seem to blend and melt into each other with the most pleasing effect, almost like the entrancing harmony of sound in music, while others brought into contact are harsh and contradictory, suggesting of discord.

Colors also have different effects on different complexions, giving to fairness an attractive palor, or casting an additional shadow on the already too dark. Even a few hints may help in these things.

Green usually gives a red appearance to the skin; it may, therefore, be used by the ultra fair, but those who are of a ruddy complexion should avoid it.

Violet is an unfavorable color for almost every kind of complexion; it reflects yellow and intensifies that tint if at all present, and even gives to an orange complexion a jaundiced look. Those with yellow hair should avoid violet. Blue is unsuitable to a brunette, for, like green, it multiplies the brownness. Dark people may better use yellow, orange or red, because contrasting with the dark skin and hair they tore down and soften these shades, and show to better advantage themselves.

HINTS GLEANED FROM OUR EXCHANGES

AN extra good way to cook a ham: Wash and scrape the ham, and soak it in cold water over night. In the morning scrape it again and dry it thoroughly. Make a soft dough of flour and water, a stiff paste. Roll this into a thin sheet and wrap the ham in it; pressing down to perfectly fit the shape of the ham. Place the ham on a meat rack in the dripping pan and bake in a moderate oven for six hours. Remove it from the oven, take off the paste and the skin, sprinkle the ham with bread crumbs and sugar and bake for one hour.

—o—

A cheap meat dinner. Get a piece of meat of sufficient size for the family. A cheap shoulder piece will answer well. Put it into a sauce pan in which there has been melted butter enough to cover the bottom of the pan. Brown the meat on all sides in the hot butter, then cover it with water and let it simmer until tender, which may require two hours. Drop dumplings into the sauce pan of boiling meat, cover and boil for twenty minutes.

—o—

To polish furniture. Wash the furniture with warm soap suds. Remove the white spots by rubbing them with alcohol applied with a soft rag. Polish the furniture with a mixture made of equal parts of alcohol, vinegar and olive oil. The furniture will be as bright as new.

—o—

To destroy cabbage worms. This will be useful next summer if it is too late for this season. Mix one part pyrethrum powder and four parts flour. Cover tightly, as in a closed tin can, and let stand for twentyfour hours. Put in a cheese cloth bag, fasten to a long stick, hold over the cabbage and sift out by tapping the bag with another sick. Allow enough to fall on the cabbage to show as a light frost. It can be most successfully done when there is no wind blowing.

—o—

To make an old leather suit case look new. Wash with a damp cloth to remove dust and tags that may have been pasted on it; then rub it with a rag wet with kerosene, and set it away in a clean place to dry. Rub thoroughly with a flannel soaked in neat's foot or harness oil, being careful to cover every bit of the surface. Let it stand where there is no danger of dust until the oil has soaked into the leather. Polish with a piece of chamois or other suitable article.

—o—

To remove rust from nickle plating. Rub mutton tallow over the rust spots, and let it remain for two or three days. Then rub with a rotten stone and wash off with strong ammonia. Finish by washing with clear water.

—o—

Testing goods. Linen and silk are subject to precisely the same tests. First—Try to tear the fabric both ways; it should resist without looking pulled or drawn. Second—If a tiny drop of water goes directly through the material it is pure. Third—Rub the goods slightly between the fingers and scratch it lightly. If the threads separate easily it is badly woven and not good goods. Fourth—For silk, linen or wool. Ravel and burn some threads; pure threads ignite and burn slowly; impure threads light quickly and then smoulder. Each has its own peculiar and unmistakable odor when burning. Cotton betrays itself by burning easily.

—o—

To remove a cork from the inside of a bottle. Let a strong thread doubled over go down into the bottle, both ends being held out. Now with a long hat pin, or other suitable instrument, get the cork within the loop of the thread, small end up if possible. It is then easy to pull the cork out with the thread.

The water problem is a serious one from several points of view to handle it properly or to obtain it from the depths of mother earth. Our readers will find it to their advantage to write for catalog No. 117 regarding centrifugals or catalog No. 110 about deep well machinery, to the American Well Works, Aurora, Ill.

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This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

A boom for the Pioneers of Equity! That is what we want. By next Christmas we want hundreds of Pioneers in every State in this great union, and, if possible, in every country of the world. Up-to-Date Farming is known to the world as the originator of the doctrine of Equity in business, and it is everywhere recognized as the most consistent and ablest champion of that doctrine. Hence as a beginning in the work for Equity, the condition of membership in the Pioneers of Equity was to secure a club of five yearly subscribers to Up-to-Date Farming at 25 cents each, send to the publishers $1.00 for the five subscribers, and keep the other 25 cents as the "first fruits" of being a Pioneer of Equity. Many have proven this an easy thing to do; but to insure the proposed boom, we reduce the subscription to ONLY ONE, the reduction to hold good until Christmas. As an evidence of your worthiness and sincerity, sign and return the Declaration and pledge here given, and send with it one subscriber and 25 cents, and you will at once be enrolled as a Pioneer of Equity.

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We are depending upon the earnestnesss, intelligence and push of the Cadets. We know they mean business, and this is the first business degree of our progressive band. We have started this boom, and we shall be disappointed if the Pioneers by next Christmas is not a larger band than the Cadets. I am going to ask Mr. Everitt for more room for Cadet letters, and for the announcement of the Pioneers. See what a nice list of letters we have for this issue:

Dear Cadets: I am a western Nebraska girl, 5 feet 4 inches high, and weigh 140 pounds. I will be 16 December 10, and I would like a post card shower then. I will answer all cards and letters received. My papa is postmaster at Ney, Nebraska. I live on a 64 acre farm in the sand hills. We can raise anything we plant. Small grain does fine. I have 5 sisters all younger than myself. I work in the field and garden. I like out door work. We have 5 hogs, 1 cow, a dog, and 59 or 60 little chickens, and also a pair of young pigeons. My father takes Up-to-Date, and I like it fine. Papa, Mamma and 4 of my sisters are not at home today. I live a mile and a quarter from school. This letter will be a surprise to my folks.—Bernice Cloud, Ney, Neb.

Dear Cadets: I am 12 years old, and I live with my parents on a farm of 130 acres. I have 1 sister and 3 brothers. We keep 9 horses, among them a driving horse that we can ride horseback. My 6-year old brother rides her, and if he makes her trot, and he begins to sway as though he would fall she stops. I can lift up her foot, harness and unharness her, she is so very gentle. I have taken Up-to-Date Farming only since the first of July, and I think it is more interesting for children than any other. I am very anxious to become a Cadet, and would be glad to exchange cards with the Cadets.—May M. Weber, Chadwick, Ill.

Dear Cadets: I am 11 years old, have brown hair and blue eyes, am nearly 5 feet tall, and weigh 74 pounds. We have rented a farm of 60 acres. We own 4 cows, 1 heifer calf, and two horses and two colts, one being a mule. My papa takes Up-to-Date, and thinks it is a very nice paper. I got 50 beautiful post cards some time ago, and was glad to get them.—Lola Alberta Beattie, Covert, Mich.

Dear Cadets: Would you like to hear from a girl that lives in Oregon? I was 14 years old yesterday, and I got 16 post cards, 9 handkerchiefs, and some other things. I graduated from the public school a year ago, and I am to go to the high school this winter. I also got some presents when I graduated. I have two sisters but no brother. I live on a farm of 183 acres. We have 18 acres in hops, and and 10 acres in English walnuts. My father owns 7 horses and several cows. My mother takes Up-to-Date, and I like it fine I would like to hear from all the Cadets.—Alda Young, Newberg, Oregon.

Dear Cadets: I have been a reader of Up-to-Date Farming for a long time, and I enjoy the Cadet letters very much. I think it nice of the editor to give us an opportunity to exchange thoughts with the young people of different parts of the country. I live in the country and think country life is fine. I am about 5 feet 9 inches tall, and weigh about 140 pounds; have dark hair and eyes and fair complexion. I like to fish, but fish don't bite here this reason yet. We are having a new school house built, and expect to have it completed by September 12. I shall be glad to exchange cards or correspond with any of the Cadets, especially those in the Northern States.—Charles E. Doughty, Little Creek, Louisiana.

Grace Dikeman, Forestville, N. Y., will write to Davis H. Free of Leeshburg, if he will tell her the name of his State.

Dear Cadets: I am a boy of Illinois, 4 feet 5 inches high, with light hair and blue eyes, and am 11 years old. I have a little dog named Smarty. I expect the Cadets will laugh at such a name as that. I also have a calf and two cows. I have been selling sweet corn and pickles, and have cleared over $8. I like to read Up-to-Date. I will exchange cards with the Cadets.—Harold Reab, Colona, Ill.

Dear Cadets: I am a Colorado girl, and live in the little town of Del Norte. I used to live on a large farm in Nebraska, but two years ago we moved here on account of my health, which has quite improved. I would much rather live on a farm than in town or city. The ranchers out here raise wheat, oats, barley and potatoes, and also plenty of garden vegetables, but they do not raise corn because we are so high above the sea level. My sister subscribed for Up-to-Date Farming, and we all enjoy reading it. There are 12 in our family, and I am the youngest and only child at home. I am 14 years old, and would be glad to hear from any Cadet.—Ava Hill, Del Norte, Neb.

Dear Cadets: After a long silence I come again. I always watch for the coming of Up-to-Date. I certainly do love to read the Cadets' page. I am sorry to hear of dear little Gertrude McMillan's death. Let us all send her mother a card of sympathy. I was also sorry to hear of Nellie Tipton's sickness. Let us write to her as often as we can, and ask her only to answer us through the Cadet columns, and ask our dear editor to print her letters even if he has to leave ours out. I would rather read her letters than see my own in print. Our principal crops are wheat, oats, tobacco and corn. Tobacco is very late on account of so much rain preventing cultivation. Wheat was badly damaged by the rain; oats is good, and if nothing happens corn will be very good. There are peaches and apples in some localities, but in others there are none.—Julia A. Dowell, Irvington, Ky.

Dear Cadets: I am 12 years old, and have blue eyes and light, curly hair. We live on a farm 3 miles south of Baxter Springs. I take lessons on the piano every Satdrday. I go to town to school, and am in the 8th grade. We have a large pond on our farm, and I have a boat and can row fine. I would like to exchange cards with Allen Tucker of Tunbridge, Vt.—Ella Iona Sikes, Baxter Springs, Kans.

Dear Cadets: I am 14 years old, 5 feet 3 inches tall, have brown eyes and brown hair. We live on a farm of 160 acres. I would like to exchange postals with the cadets. Mamma takes Up-to-Date, and we all like it fine; we could hardly do without it.—Maude Williams, Piedmont, Okla.

Now for the Pioneer boom. Let's get right down to business. Every Pioneer means one new subscriber for Up-to-Date, and that means another friend for Equity. We want a large list to show Santa Claus when he comes, and the length of it depends upon the Cadets.



BOYS

Make from $1.00 to $10.00 cash each week, in addition to earning these and many other valuable prizes. Send us your name and address and we will start you in a business of your own. It won't cost you one penny to begin—we send everything absolutely free. It will be surprisingly easy for you to be a money maker, besides earning these beautiful prizes. Write today before someone else starts in your town.

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23 jeweled watches are the best, but few can afford to buy them. Our great Engine Special watch patterned after the 23 jeweled R. R. watches that cost from $60 to $75, has locomotive on dial, eleven genuine ruby jewels in settings, micrometric patent regulator, breguet hairspring, double damaskeened nickel plates, quick train lever escapement. Fitted in heavy or medium weight solid ore-silver dust proof screw case. Both case and works absolutely guaranteed for 20 years. **SEEING IS BELIEVING.** Cut this out and send it to us with your name, post office and express office address, stating weight wanted, Heavy or Medium, and we will send the watch by express for examination. If satisfactory after examination pay express agent our bargain sale price $4.95 and express charges and it is yours. Order today. Address

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Can't You Talk



Lord's Prayer and 10 Commandments

Most Popular Subjects

These pictures are the most popular subjects ever produced. They appeal to every one and are fine enough to adorn the walls of any home in the land. "Can't You Talk" is truly a masterpiece and contains a world of sentiment. Notice the position of the child and dog—showing perfect trust and friendship. The "Lord's Prayer and Ten Commandments" are two divine utterances set forth in beautiful lettering and ornamented with a border of roses and leaves in exquisite life-like tints, against a deep rich gold background.

Get a Handsome Present Free

Send today for these two beautiful pictures and full information how to get many handsome presents free—I have delighted people all over the United States with the neat, attractive and valuable presents that I have been sending them. I have not room here to attempt to tell about them, but in my outfit everything is prettily illustrated with fine illustrations from photographs and fully described. Send 4 two-cent stamps today for the two beautiful sample pictures and full instructions how to use these pictures in introducing my big farm and family paper. For your kindness I will send you your choice from my list of handsome presents. Others very successful. **Use the Coupon today.**

D. W. Beach, Editor Agricultural Epitomist
Box 578 Spencer, Indiana.

D. W. BEACH, Editor.
Box —— Spencer, Indiana.

I enclose 4 two-cent stamps for your 2 pictures, "Can't You Talk" and the "Lord's Prayer and Ten Commandments" and full information how to use the pictures in introducing your big farm paper, so that I can get a free present. I will do my best.

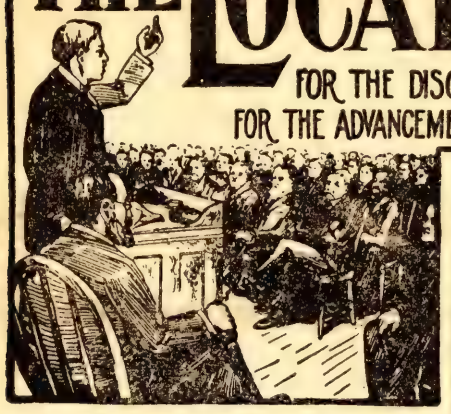
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P. O.....

R.F.D..... State.....

THE LOCAL UNION

FOR THE DISCUSSION OF ALL FARM PROBLEMS
FOR THE ADVANCEMENT OF CO-OPERATIVE FARMING



Up-to-Date Farming

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING CO., Inc.
Indianapolis, Ind.

J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

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VERY IMPORTANT NOTICE

In the past the report of market needs, the Directory of market representatives and the workings of The Equity System of marketing were printed in the regular issue of Up-to-Date Farming and non-members of the Farmers Society of Equity could use the System with almost as much benefits as members. But that is not fair, reasonable or equitable. Those who pay the expenses of the Society, by becoming members are alone entitled to the benefits of its marketing system. Therefore, this is the last regular number that will contain the needs of the markets and the directory. In the future these and many other valuable helps in marketing crops will be sent to members only in a **MEMBER'S EDITION** and will be confidential to them.

The way to get this confidential information and valuable helps in marketing from headquarters and the 63 representatives on as many markets is to become a member of the F. S. E. The fee for a Member-at-Large is only $1.00 or as a member of a local union $2.00.

Farmers Society of Equity
Indianapolis, Ind.

We believe the most important problem for the American people to solve is marketing farm crops to maintain steady prices, secure profitable prices to the producers and guarantee equitable, never exhorbitant prices to the consumers.

—o—

We know that farmers have tried in many ways to improve the system of marketing farm crops with very little net benefit. Considering the universal desire for improvement, and the numerous attempts made, does it not appear that if a practical plan were announced that practically all producers would use it, particularly if the expense was a merely nominal amount?

—o—

We are led to ask this question because The Equity System of marketing, as explained in this paper is practical, and the first practical system farmers ever had to accomplish what is stated above, and is in successful operation. Yet a local union at Galien, Mich., hesitates to use it, because, as the secretary wrote, "Our members think it like shipping to commission merchants and they prefer taking pay for their produce at home."

—o—

This brings up the thought: Why is there unrest and dissatisfaction expressed by farmers if they are satisfied to sell to the local handler, which is the first toll gate, and subject their stuff to pass through the old tortuous route to market, if they will not use the direct shipping system when it is prepared for them?

—o—

Here is a community of farmers. They produce crops to sell. A number of them have banded together and selected officers as an organized body does; but for what?

—o—

They meet twice a month. What do they meet for if not to make their union serviceable and profitable to them? The Equity System of Marketing, through their secretary, can connect the demand as it exists all over the country with whatever supply of farm products the members have, but they prefer to sell at home.

—o—

Why? It cannot be because of fear of not getting their money, because the Equity System representatives are among the most responsible business men in their line, in the country. It cannot be because of any lack of facilities, because the secretary of the local union is expected to attend to the business of the members and he can forward a car load of wheat or potatoes or other produce just as well as any other local man. If he cannot another secretary should be elected. But the letter says: "Because they prefer taking pay for their produce at home."

—o—

That is, they prefer to take what they can get without the exercise of the amount of business gumption that has lifted every person and class out of a rut that was ever lifted. And we say this without any disrespect to the esteemed members of that local. They have been thoughtless, and they do not yet appreciate the advantages that must flow from doing more of their own business through their union which is intended to be the business center of the whole agricultural community. And they have not yet comprehended what the ultimate result will be if they once begin to do their own marketing direct, and stick to it.

—o—

The secretary also wrote: "Our next meeting will be September 14th. If you have anything to write to us that will cheer us up we shall be happy to receive it, for we are always glad to hear from you even though it be a few words."

—o—

We will write a letter and tell them to get busy. We have no faith in the permanency of any local union that taboos the business side of farming, marketing to get the best price. Why, the Farmers Society if Equity would not be, except to change the old system of marketing, and any set of members who persist in marketing the old way are in the wrong pew.

—o—

And we are not done preaching to that Galien local union yet. The secretary said in the same letter: "As for myself I have sold my wheat right from the thresher for $1.00 a bushel. Counting shrinkage and interest saved, which amounts to 9 cents a bushel, $1.00 now is equal to $1.09 next spring. Wheat is now selling here for 97 cents."

—o—

We have before us a circular (No. 23) from the Indiana Experiment Station in which is the statement that the average yield of wheat in Indiana, for 10 years, has been 13.3 bushels per acre, and that the cost of producing an acre of wheat in Indiana is about $12.37. If the same averages apply in Michigan then Mr. Secretary has made nothing on his crop. But more than that, those who sold at cost made it imposible for their brother growers to make a profit.

—o—

Selling wheat at cost has run up a stupendous visible supply. Those who did not rush their wheat to market at threshing time could get only 97 cents when the secretary wrote, and perhaps only 92 cents as we write this, because of the large visible. So the early sellers made no profit and their neighbors who held, if they sell now will actually net a loss.

—o—

But it may be argued that the early sellers were the wise men and if others had been wise they would have sold at the same time. But if they had done that, or made the motion to do it, nobody could have got the dollar and no person knows how low the price would have gone.

—o—

The point we want to make is: The first thing to do is to decide on a price, which shall be a profitable price and hold for it and it will be paid. The minimum price we have set for the 1910 crop of wheat is $1.20 at Chicago and we have every confidence that it will be reached before the next crop is harvested. It matters not how much is dumped now, nor how low the price goes, there will be enough wheat held to make the demand seek it later, when the price will be paid.

—o—

Just one more point. The F. S. E. representatives were selected with particular reference to their honesty, responsibility, ability and moral character. Using the Equity System is not like shiping to a commission firm as in the past, because this System ENABLES ANY MEMBER OR A LOCAL UNION TO SELECT THE BEST MARKET OUT OF MANY—the best in the country really—and the representatives are just as enthusiastic for the success of the System as any farmer can be.

—o—

So the word we send to this union and all unions and members-at-large is, first understand that the Farmers Society of Equity is not merely a social society but a BUSINESS ORGANIZATION and should be used as such. Then there will always be something to interest the members and the local unions will soon attract all the good farmers of the community.

—o—

In an article in a recent number of the Saturday Evening Post by B. F. Yoakum, chairman of the Executive Board of the Frisco R. R. was this:

The farmers of this country will eventually work under a strictly business organization for their own protection and to the advantage of the consumers of food. At the growing end the farmers will have, thorough co-operation with the railroads, shipping agencies. At the consuming end they will have marketing agencies. Under this method the men who produce, the men who transport and those who consume will come into contact. To the industry of farming will be added the industry of marketing.

—o—

This looks very much like the Farmers Society of Equity policy and the Equity System. It looks as though Mr. Yoakum has been studying them and endorses them broadly. Nothing in his words refer to putting any body out of business but everybody to help the farmer market his crops through his (the farmers) shipping agencies.

—o—

But we find an endorsement of our doctrine of co-operation of all classes to secure Equity in all the relations of life from even a higher source. Emperor William of Germany recently said:

* * * We should hold together in brotherly love * * * The races and trades or-

$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K1867 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

Quick Growth of Hair

ONE DOLLAR BOX FREE



DISCOVERED AT LAST—THE TRUE METHOD!

Let us prove to you that the Koskott Method of Hair Growing is the **genuine and scientific one.** We will send you a **DOLLAR BOX** out of the Koskott Treatment **FREE. We guarantee to grow hair** on any bald head, under cash forfeiture.

GROW HAIR Our method is directed at removing the cause, the *dermodex follicularum*—living micro-organisms—("germs") & opening the closed follicles so that the hair roots which are not dead, but dormant, (like a tulip bulb, or grass seed in a bottle) are given fertility and a **chance to grow. Ours is the treatment that MAKES GOOD,** it is guaranteed. Koskott is for men's & children's heads, to clear scalp of **dandruff,** stop **falling hair** & to promote **growth of new hair. LADIES,** by using Koskott you can soon throw away false hair! We especially want you to answer this adv. if you have wasted time & money in liquids, washes, soaps, etc., which accomplish nothing. We want to **surprise & delight you.** Send only 10 cents in stamps (or silver) to cover actual mailing & advertising cost. (None sent without 10 cts..) & we will send the **$1.00 Box absolutely free,** postpaid, in plain wrapper. **KOSKOTT LABORATORY, 1269 Broadway, 4348, New York, N.Y.**

$1. BOX FREE

ganizations should join hands for common work and for meeting the State's necessities. Let the farmer join hands with the merchants and the latter with the manufacturer; let the members of one party join hands with those of a different mind for achieving great things for the fatherland.

—o—

That is what the Farmers Society of Equity means—all trades organizations; al parties; the farmers; the mercrants and the manufacturers join hands for achieving great things for the country and the greatest thing is named in the first paragraph at the head of this article.

WHAT THE TELESCOPE REVEALS

(Concluded from page 4.)

On account of a shortage of potatoes in the West recently, New Jersey grown potatoes were shipped as far as Minnesota. But this demand is not being filled by supplies grown nearer home.

The National Hay Association held its annual convention at Cedar Point, O., ending August 25th. It is said to have been one of the best meetings it ever held. B. A. Dean, Auburn, N. Y., was elected president and J. Viring Taylor, Winchester, Ind., Secretary-Treasurer.

Shippers of produce cannot be too careful in selecting their markets. The rule, that one extreme follows another is more often true with the produce marketas than in anything else. Shippers who have sent to a needy market only to find it glutted when the shipment got there are recommended to investigate The Equity System of marketing that this paper is establishing. More attention must be given to the smaller cities and not consign everything to a few great central markets.

Potatoes recently sold for $1.00 a bushel in some Michigan markets.

Prospect is that cabbage will sell at high prices next winter.

E. L Cleveland Co., Aroostook, Co., Me., an authority on potatoes in that county, says that the acreage is 75 per cent of last season with the condition of the growing crop generally favorable. This county produces more potatoes than any otrer similar territory in the country.

There is a well developed disposition on the part of apple buyers to fight for low prices this season. In New York where growers are asking $2.50@3.00 a barrel the buyers are offering $1.75@2.00. As the apple crop will be only a medium one the growers will get their price if firm in their holding and demands.

The custom is to send produce to the central markets and those markets distribute it to hundreds of smaller ones surrounding them. This plan often results in blockades on the railroads and in the yards. Chicago suffered from such a condition the latter part of August. The report said: "It was the very worst time for it as receipts of all kinds of produce were unusually heavy and the weather was the worst on record, the heat being great and the humidity very high." The remedy lies in a sane method of marketing and this paper is proud of being the prime mover to establish it. The remedy is to ship direct to the ultimate demand which may be known through a system of reporting supply and demand.

Any person reading the produce papers now cannot fail to be astonished at the number of markets reported glutted with produce. There is scarcely a crop produced that does not rave its period when the prices are unprofitable because of glutted markets. Yet as a positive fact every particle of the crop would be in demand if at tre logical place for consumption. There is no greater problem before the people of the country than this one. The conservation problem is a great one but it does not affect on-thousandths of the people that are vitally affected by the one of marketing farm crops to prevent gluts and reach all the demand.

The States of Washington, Oregon, Idaho and Montana will have a record breaker crop of apples this year. A recent estimate puts the yield at 6,500,000 to 7,500,000 boxes. Some of the growers are preparing to ship to Europe, Australia, South America and even to the Orient.

The largest crop of apples produced in the United States was in 1896, estimated at 69,070,000 barrels; 1908, only 28,570,000; 1899, 58,466,000; 1900, 56,860,000; 1901, 27,000,000 barrels; 1902, 47,000,000; 1903, 46,000,000; 1904, 45,500,000; 1905 24,300,000; 1906, 38,280,000; 1907, 29,540,000; 1908, 25,500,000 and only 22,735,000 barrels in 1909.

A vast pear orchard of 10,000 acres in extent is projected near Grand Junction, Colorado.

The aggregate of the foreign potato crops will be large this year and should the crop in this country be short, as appears imminent, there will be large importations. The duty is 25 cents a bushel.

The Jersey, and East Shore of Maryland and Virginia potato growers were happily saved from heavy loss on potatoes by the unexpected demand at good prices in the West.

SEPTEMBER GOVERNMENT CROP REPORT

From the last government report we glean the following estimates which we compare with last year:

Winter wheat, 458,000,000 bu.; last year 446,966,000 bu. Spring wheat, 218,000,000 bu.; last year, 290,000,000 bu. Total this year, 676,000,000 bu.; total last year, 727,189,000 bu. Short this year compared with last, estimated 51,189,000 bu.

Corn, this year, 2,896,000,000 bu.; last year, 2,772,376,000 bu. Excess this year over last, estimate, 123,624,000 bu.

Oats, this year, 1,045,000,000 bu.; last year, 1,007,353,000 bu. Excess this year over last, 37,647,000 bu.

Barley, this year, 152,000,000 bu.; last year, 170,000,000 bu. Short this year compared with last, 18,000,000 bu.

Hay, this year, 60,116,000 tons; last year, 64,938,000 tons. Short this year 4,822,000 tons.

The government has also estimated the total grain crop at 4,800,000,000 bushels. last year the final estimate was 4,719,000,000 bushels. In 1896 the estimate was 4,834,000,000 bushels, the largest yield the country ever made.

THE FIELD

UP-TO-DATE FARMING will print in this department short letters from its subscribers on any subject of general interest and calculated to further the mission of the paper.

CONDITIONS IN MONTANA

We have had the longest and most damaging drought Montana ever experienced in May in 21 years residence here. Alfalfa has yielded only one-third of a crop on the first cutting, and the second and third cuttings were or will be very short. Timothy hay is very light also, especially in the dry farming section. There is very little hay in the State and, because of the drought, the native grass grew but little. As a result, heavy shipments of cattle are being made already. Thousands of bushels of potatoes spoiled because of no market last year, but there will be a hungry market for what is grown this year, probably one-half the yield of 1909.

It is just a question of deciding what we want for our potatoes and demanding it and it will be paid. In some places grain is a fair yield, especially in the higher elevations where fall wheat is raised. Taken altogether the grain crop is about one-half of last year's yield.

As to the Farmers Society of Equity. I take pride in saying we have one of the best bunch of Equity men anywhere in Beaver Creek local. Every man is a live wire for Equity. A movement is on now to organize a State union. We believe with a State headquarters the local unions can work together better in completing the organization and in marketing our crops.—*John D. Graham, Park Co., Mont.*

WILL WELCOME THE SYSTEM

I have studied the Equity System of marketing as explained in the book, "Farmers Industrial Freedom," (E 51) and "The Equity System," (E 36) and approve of it. Farmers, living in the country, have not had the opportunity to learn business methods so they will welcome this System which makes it easy for them to market their own crops and gives assurance of a square deal on every market. It will help organizers of the F. S. E. very much to be able to present this marketing System in actual and successful oueration. —*W. H. Cherry, Sauk Co., Wis.*

WILL REACH THE HEARTS OF FARMERS

Literature covering the Farmers Society of Equity movement received and read. You have surely struck a chord, in the distributing end of agriculture that will reach the hearts of farmers. I can imagine no reasaon why success will not crown your efforts. I will familiarize myself with the Society so I may explain its objects and present its merits to the farmers of Georgia. My business has taken me all over the State for the past ten years. I know a very large number of well-to-do farmers and they know me. The business plan of this Society they need more than anything else and it is my idea to help you establish it, if you will permit me to help in such a good cause.—*G. H. Ratchford, Montgomery Co., Ga.*

HAVE BEEN WORKING FOR OTHERS

I received the literature of the Farmers Society of Equity and have read it all very carefuly, including "The Equity System of Marketing" booklet. It has impressed me very much. This is what the farmers have needed a long time for by the old way of marketing we have been working for the other fellows. We now have the remedy for that. I, for one will apply the remedy and will try to get others to do the same.

I enclose $1.00 to make me a member-at-large and if you will now tell me how to organize local unions and county unions I will devote all my time to that cause. I feel that now we have the opportunity to demonstrate that old saying, "United we stand," and, "In union is strength."—*John R. Adams, Clarke Co., Miss.*

TO PRODUCE AND MARKET ECONOMICALLY

I enclose my membership fee in the Farmers Society of Equity. I will try to interest other farmers in this movement so we can produce more rationally and market more economically.—*B. D. Culp, Union Co., S. C.*

WHAT KIND OF SEED?

"Are we sowing today for future joy?"
Are we filling the hours with seeds
Of earnest thought, of loving words,
Of kindly helpful deeds?
What good they do, what help they give,
Just now we cannot know,
But, ah! the harvest surely tells
The kind of seed we sow.

GET A POST CARD ALBUM

AND I WILL GIVE YOU 50 BEAUTIFUL POST CARDS FREE

Nearly all of our subscribers have some beautiful post cards that they prize very much. Perhaps they are now scattered around on tables, shelves and other places difficult to find and getting soiled. The most prized ones can be preserved in the album I now offer you. It can be made the most interesting article on your parlor table.

This Is the Most Liberal Subscription Offer We Can Make





An Album Like This, 50 Beautiful Post Cards and Two Years' Subscription for 60 CENTS

This album, No. A. holds 108 post cards and is 9x11 inches. The cover is strong, stiff board beautifully designed and decorated in colors. The leaves are heavy fiber paper. The cards are inserted in slits, not pasted, and can be put in or removed at pleasure.

If you want a larger album I can furnish it; below is what I have and the amount of money you should send:

Album No. B. Size 9½x11. Holds 200 cards. Stiff cover, artistic decorations.....75c

Album No. C. Size 9½x11. Holds 300 cards. Stiff cover, artistic decorations.....85c

Album No. D. Size 10x11¾. Holds 450 cards cards. Stiff cover, artistic decorations $1.15

Album No. E. 10x14. Holds 400 cards. Molded board cover, richly and artistically decorated, very beautiful..$1.25

Any of these albums would be a splendid reward to any person who sends two yearly subscriptions to UP-TO-DATE FARMING, but I send in addition, **50 charming post cards.** Included in the collection are cards of many subjects suitable for an album collection or for correspondence.

I make this offer to secure new subscribers and to get old ones to renew. If your subscription has expired, or is about to expire this is your opportunity to embrace the most liberal premium offer I can make. If paid in advance you can extend another year or send two new subscribers.

Satisfaction guaranted or mony refunded.

J. A. EVERITT, Editor
Indianapolis, Ind.

CUT OUT AND MAIL

J. A. EVERITT, Editor, Indianapolis, Ind.

Enclosed is ..... for which send UP-TO-DATE FARMING to the following names and the Album and 50 post cards to me as per your offer.

First Name ..... New or old.....

Address .....

Second Name ..... New or old.....

Address .....

Please send Album No.....to

My Name .....

Address .....

Market No More Crops the Old Way
The Equity System Is Better



It Will Cost You a Two Cent Stamp

and not one cent more to learn all about this improved System of marketing farm crops. Market no more crops the old way but ship everything to **"THE EQUITY SYSTEM"** on the market you select. If not compelled to ship immediately correspond with "The Equity System" and learn where the best market is. Also immediately; that is, before you lay this paper down cut out the coupon below and send it for complete particulars of The Equity System and how to use it to get the best results.

Don't neglect to send the coupon. This is a co-operative movement and it is important that the headquarters of the Farmers Society of Equity knows who is going to use the System and it will render invaluable assistance.

We cannot explain The Equity System in this advertisement. It takes a book to explain it fully and enumerate its many advantages. But don't delay using the System if you are ready to sell any crops, while waiting for the book. Write at once to any market and report what you have. Then ship where the greatest demand, expressed by the highest price, exists.

The book is called "Farmers Industrial Freedom." The first cover is illustrated in the lower left hand corner of this page. It has 64 pages and cover. The price is 10 cents, but we will make no charge if you are a farmer who raises any kind of crops to sell and will send the coupon below.

If you have marketed this year's crops send the coupon anyway and get ready for the 1911 crops.

THE EQUITY SYSTEM WILL GIVE YOU A CHANGE

IF YOU ARE TIRED OF FIGURING on the prices you hope to get for your produce and what you will buy with the money, only to find when ready to sell, that somebody else makes the price so low that all your plans were spoiled, use The Equity System of Marketing.

IF YOU ARE WEARY of working all summer, straining and sweating, overworking your teams, staying in the fields late at night because you can't afford to pay the price laborers demand, all to produce big crops and then be told that prices are down because of over-production, use The Equity System.

IF YOU ARE TIRED of thinking, worrying and planning all winter long about ways to farm better, only to repeat your experience of getting a living while some other people pocket most of the profits, use The Equity System.

IF YOU ARE DISGUSTED with a system that often compels you to accept such prices for your crops as do not give you fair wages and allow you to keep up the fertility of your soil, when you know such prices are made by gambling Boards of Trade and Exchanges, change it by using The Equity System.

IF YOU ARE TIRED OF IT ALL. Tired of the incessant hard work, day and much of the night; Summer and much of the Winter; with hopes high in the Spring only to be crushed in the Fall, because of the prices paid for your crops, then don't market any more crops the old way but use The Equity System.

ARE YOU READY FOR A CHANGE? Will you change the system that has kept the average farmer poor and made millionaires of the people who handle farm crops if you can do it practically without expense?

The Purpose

The purpose of the Equity System of Marketing is to transfer the price making power from gambling and speculating Boards of Trade and Produce Exchanges in the cities to the farmers who produce the crops; from the organized interests in the cities to the co-operating farmers in the country. **Everything will be made clear to you if you will send the coupon.**

Some of the Advantages

Some of the advantages are: **Direct shipping, many toll gates avoided, prsonal representation on all leading markets, honest grading, correct weights and count, glutted markets avoided, the highest market prices, honest returns and eventually, absolute control of marketing by the producers who will also become price makers on their own produce.**

These advantages should cause the producers of all crops—grain, potatoes, live stock, cotton, hay, broom corn, rice, fruit, vegetables, poultry, eggs, dairy products, wool, tobacco, etc., to use **THE EQUITY SYSTEM.**

Address simply:

THE EQUITY SYSTEM
NEW ORLEANS, LA.

or any other market where it is established. (See page 5).

Send the Heart Coupon before you lay this paper aside

— THIS IS THE COUPON —

Send No MONEY

Farmers Society of Equity,
Indianapolis, Ind.

Gentlemen: I produce crops to sell. I want complete particulars of the Equity System of marketing and how to use it to get the best results as promised in UP-TO-DATE FARMING. Please, also, send the book, Farmers Industrial Freedom.

(*Write very plainly*).

My Name is .....

R. R.... P.O.....

Co .....

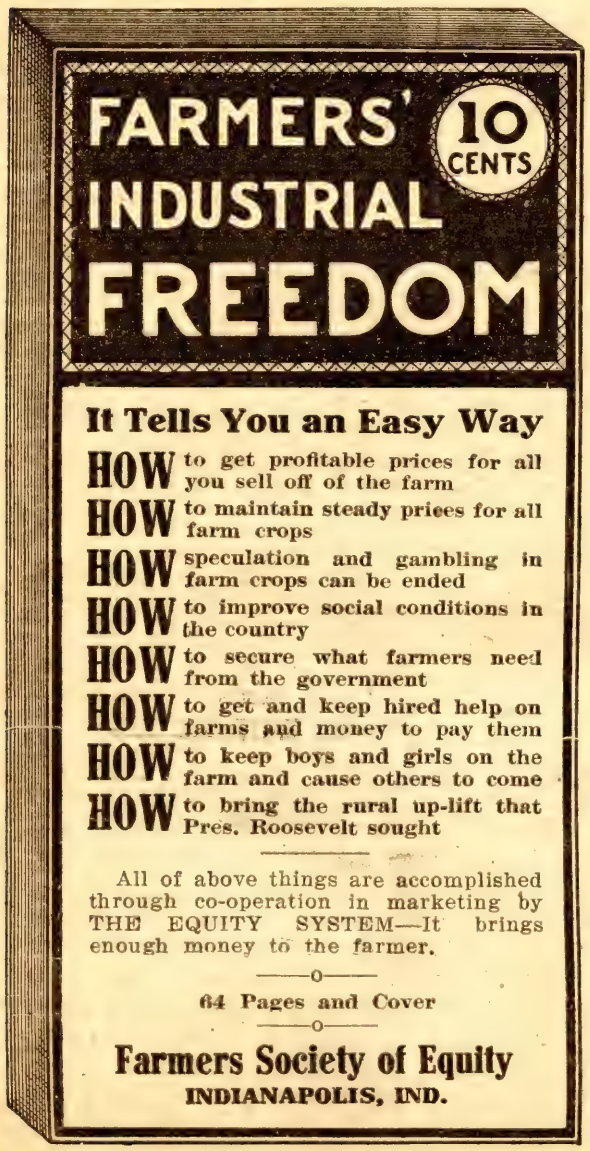
My shipping Station ..... State.....

My chief crops are .....

.....

Send This COUPON

U
SEP. 15



It Tells You an Easy Way

HOW to get profitable prices for all you sell off of the farm
HOW to maintain steady prices for all farm crops
HOW speculation and gambling in farm crops can be ended
HOW to improve social conditions in the country
HOW to secure what farmers need from the government
HOW to get and keep hired help on farms and money to pay them
HOW to keep boys and girls on the farm and cause others to come
HOW to bring the rural up-lift that Pres. Roosevelt sought

All of above things are accomplished through co-operation in marketing by THE EQUITY SYSTEM—It brings enough money to the farmer.

—o—

64 Pages and Cover

—o—

Farmers Society of Equity
INDIANAPOLIS, IND.

If You Will,

Market all Your Crops Through The Equity System and Send the Coupon on This Page at Once and You Will Never Regret It.

Farmers Society of Equity
Indianapolis, Ind.

STOVES AT FOUNDRY COST

$4.60 AND UP — $21.45 AND UP

GET OUR FREE CATALOG

showing a remarkable line of fuel-saving heaters, base burners and ranges at surprisingly low prices. Whether you burn wood, coal or coke, you ought to have this free book before you order a new stove at any price.



¶ Our 1910 Base Burners are self feeding, self ventilating; have extra large ash pans and pits, extra heavy fire pots, heavy flawless frames, duplex grates, and are handsomely ornamented with silver nickel. They consume less fuel, give out more heat, and last longer than others. The improved three-flue "double heating" construction throws the heat evenly from the bottom and sides, giving uniform temperature throughout the room at all times.

¶ WHY NOT SAVE ONE-HALF on the stove you buy this year by having us ship one Direct from the foundry to you? We guarantee perfect satisfaction or your money back right away. Write today for free catalog.



Address ALBAUGH-DOVER CO.
2156 Marshall Boulevard, CHICAGO, ILL.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Automobiles

AUTOMOBILE FOR SALE—Practically new 1910 Marion—Overland, 35-40 h. p., 4 cylinders. Complete with Prest-o-lite tank, 5 lamps, tools, tires in excellent condition. Cost new $1850. Run only about 1000 miles. Bargain at $1300. Demonstration any time. J. B. Fentony, Indianapolis, Ind.

Farm Lands For Sale

EASTERN KANSAS LAND—Four 160 acre farms for sale at a bargain to close estate. Address, Troutman Ranch, Comiskey, Kans.

KANSAS CORN LAND—Write Hoyt, farmers' agent; special bargains now; 53 and 90 acres 1 mile to town; 2 fine 160 acre farms; hotel. John Hoyt, Irving, Kan.

INVESTIGATE THE FAMOUS O'CONNOR RANCH, if you want to enjoy life in its fullness. C. H. Lee, Manager, Indianapolis, Ind.

FOR SALE—Improved farms in Davison and adjoining counties, South Dakota. Also unimproved lands in Hyde, Hughes and Sully Counties, South Dakota. Prices and terms right. Write us. Rew & Harris, Mitchell, South Dakota.

$2,000 TAKES my 80 acre place, level hardwood land in Fruit Belt of Western Michigan. Seventy acres rich loamy soil under good cultivation, no stumps, no stones, no swamps. Three miles to good town on RR. Half mile to school. Small orchard. Two story frame house on stone foundation. Barn, chicken house, tool shed, etc. Place all fenced. Shipping point on RR. half a mile. Taxes $19 per year. Terms: $1100 down, balance easy at six per cent. Address, Farm 1918, 1627 1st National Bank Bldg., Chicago, Ill.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

WILL SELL my 80 acres of hardwood land. Twenty acres timber, some low land which is rich muck soil, balance sandy loam, clay subsoil. Located in Fruit Belt of Western Michigan. Lies level to partially rolling. Six miles to good large town on two trunk RRs. Good gravel road, R. F. D. and phone. Small young orchard. Fair frame house and barn. Water supplied by driven well and two springs. Price $15 per acre; terms, $900 cash, balance to suit. Address, Farm 1903, 1627 1st National Bank Bldg., Chicago, Ill.

Farms Wanted

FARM WANTED—I want information immediately about a good grain or stock farm for sale. There is a good buyer waiting for it, willing to pay your price. Write me at once for full particulars. Address Arthur Capper, Dept. 67, Topeka, Kan.

WE CAN SELL YOUR PROPERTY. Send description. Northwestern Business Agency, Minneapolis.

For Exchange

FOR EXCHANGE—Indianapolis residence, and growing business, clearing $2,000 annually, to trade for small, well-stocked farm. Ill health of family cause of sale. De Lury, 137½ N. Illinois, Indianapolis.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

Machinery

FOR SALE—TWO SECOND HAND air-cooled gasoline engines, rebuilt and in excellent condition. Write for prices. Air-Cooled Motor Company, Lansing, Mich.

Male Help Wanted

GET A BETTER PLACE—Uncle Sam is best employer; pay is high and sure; hours short; places permanent; promotions regular; vacations with pay; thousands of vacancies every month; all kinds of pleasant work everywhere; no lay-offs; no pull needed; common education sufficient; find out how you can have a position guaranteed you by asking today for 839. Free. Earl Hopkins, Washington, D. C.

SALESMEN and Saleswomen Wanted. Hundreds of good positions now open, paying from $1,000 to $5,000 a year and expenses. No former experience needed to get one of them. We will teach you to be an expert salesman by mail and assist you to secure a good position where you can earn while you learn. Write today for full particulars and testimonials from hundreds of men and women we have placed in good positions paying from $100 to $500 a month and expenses. Address nearest office. Dept. 196 National Salesmen Training Association, Chicago, New York, Minneapolis, Atlanta, Kansas City, San Francisco.

WANTED—Railway Mail Clerks, Clerks at Washington, D. C., City Carriers and Postoffice Clerks. High Salaries. Annual vacations. Steady work. Common education sufficient. September examinations everywhere. Preparation free. Write immediately for schedule showing dates and places. Franklin Institute, Dept. A 27, Rochester, N. Y.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to The Equity System, 95 S. Water St., Chicago.

TAKE NOTICE—T. J. Hoover, Phila., Pa., sells poultry, eggs, apples, potatoes, onions, cabbage, carloads and less.

Thoroughbred Stock

DELAWARE RAMS—Fine quality; Catalog free. Frank Russell, Wakeman, O.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure, pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

LADIES SOCIETY OF EQUITY

President, Mrs. James Howey, East Jordan.
Organizer for Michigan, Mrs. M. Culbertson, Three Rivers, Mich.

The Annual Convenion of the Ladies Society of Equity will be held at Centerville, St. Joe Co., Mich., on Oct. 6 and 7, 1910.

All farm women who are interested in the betterment of farm life and the Equity cause, which means prosperity, education and liberty to men and women of this agricultural land, should attend. A warm welcome will be extended all members and friends. This meeting is called for two days and will continue until all business before the convention is finished. An interesting program will be given.

The evening session will be given over to the F. S. E. and the farmers. Mr. John Balenger of Provemont, is expected to address the farmers and State organizer, Mrs. Culbertson, will speak for the F. S. E. and the L. S. of E. their co-operation and the aid we can be to each other. It is the duty of all men and women to aid in building up this just and righteous cause. No important work has ever been acomplished without the aid of women, and now farm women let us meet together in our society to work for the greatest good to all. Let us display some of the spirit of the wives of the Carmen's Union, when in two weeks five thousand wives and daughtors enrolled their names in an auxiliary for the support of their organized husbands, sons and brothers. Let the farm women in the same manner stand by the organized farmer, that he may not become discouraged and give up just when success is within his grasp. When we feel the possibilities that are before the farm women of the future it is our duty to do our best bravely and well.

All inquiries will be answered. Attend this meeting.

MRS. MARTHA CULBERTSON, State Organizer, Three Rivers, Mich.
MRS. JAMES HOWEY, Pres.
East Jordan, Mich.

THE FAITHFUL FEW

(Contributed)

When the President calls the meeting and
looks about the room,
He always sees some faces that from out
the shadows loom.
They always come to meeting and stay till
it is through—
Now the kind that I would mention are,
the always faithful few.

They fill the vacant offices for they are
always on the spot,
No matter what the weather is though it
be cold or hot.
Or it may be dark and rainy, but they
have been tried and true—
And the kind that never fails us are, the
always faithful few.

We have some faithful members that come
when in the mood,
When everything is convenient, they can do
a little good.
They're a factor in the Society and quite
necessary too—
But the kind that never fails us are, the
always faithful few.

If it wasn't for these faithful with their
shoulders to the wheel,
That keeps things moving onward without
a halt or reel,
What would become of the Order that
claims so much to do?—
Why, it surely would go under but, for
the faithful few.

Every woman now not satisfied with her cookstove should send at once to the Weir Stove Co., Taunton ,Mass., and ask for Booklet No. 2. It contains information that every housekeeper should know. The booklet is free if you mention this paper.

AN INTERESTING BOOK

Have you secured that copy of "The Rise of Rice," offered in our Sept. 1, issue to our readers. It is most valuable to all farmers, and if you are contemplating going to the Southwest you should have it by all means. It's free. Address E. W. LaBaurne, 1321 Pierce Bldg., St. Louis.

I WAS A Heavy Drinker

Consumed quart of whiskey every 24 hours.



CURED IN 3 DAYS

If you know anyone who drinks alcohol in any form, regularly or periodically, let me send my FREE book, "Confessions of an Alcohol Slave."

I drank beer at first, then gradually developed into a drinker of strong liquors. When drinking heavily I wouldn't hesitate to pawn my coat or break a saloon window to get spirits. For long periods I would drink over a quart of whiskey, rum or gin daily. And some mixed drinks and beer additionally!

I damaged business, health and social opportunities, made family miserable, lost real friends and became an unworthy, unwelcome burden upon all except the saloonkeepers, who cheerfully took my money for the poison they gave me.

For 16 years I kept it up, and I was regarded as a hopeless case. Various "cures" did me no good. But now I have **a joyful message** for drinkers and

Mothers, Wives, Sisters

While drifting from bad to worse, as all slaves of King Alcohol do, I unexpectedly **found a true cure. It** was (and is) genuine. **It saved my life. My health was quickly restored.** I became and am a respectable man, enjoying every benefit of freedom from the accursed alcohol. I speedily and naturally lost all desire for drink. I took less and less. I began to prefer tea, coffee and other non-alcoholic liquids; the **craving for liquor ceased,** I could sleep perfectly, my stomach became well and I recovered from other ailments which I now know were due to my indulgence in strong drink.

WONDERFUL

My cure lasted 3 days; if I had relied upon will power or faith I would still be a drunkard, because an alcohol slave has **no will power while drinking.** I rejoiced so greatly at having found a true cure that I decided to devote my life to removing the curse from others. My success has been marvelous. During eight years **I have personally attended to over 6000 men and women who were addicted to drink;** the list includes very many persons notable in all walks of life, including those of brains and those of physical energy. If I were permitted to mention names of those who have been saved through this *quick, permanent cure* the public would be astonished. They include senators, congressmen, public officials, great lawyers, bankers, clergymen, noted merchants, skilled mechanics, trusted managers and clerks, farmers and others in all vocations.

I tell about the secret in my book, which I send **FREE** to every person (or relative or friend) who takes alcohol in any form to excess. My one purpose in life is to **cure the drunkard.** I rejoice in every cure, each victim has my sympathy. What I promise is absolutely guaranteed. My remedy is for either **steady or periodical drinkers.** Think of it—**a complete and permanent home cure between Friday night and Monday night**—or any other 72 hours!

Men or Women, Any Age, Quickly Cured.

To relatives, friends or employers I say—if you want to cure a drinker in the quickest time and permanently, with or without his knowledge and with absolute safety, read my book—changes despair to joy.

ABSOLUTELY FREE

I will send you my book, in plain wrapper, promptly, postpaid. It tells of my own career and the wonderful discovery and gives valuable advice. No other book like it. I especially appeal to those who had wasted money on treatments or remedies which have no lasting effect. Remember, **it costs nothing** and you will always be glad that you wrote. Correspondence strictly confidential. Cut this out if you cannot write to-day. **Address:**

EDWARD J. WOODS,
534 Sixth Ave., 434 C, New York, N. Y.

BED WETTING

IMPERFECT CONTROL of urine during the night or day in young or old can be cured with our harmless Remedy. To prove its merits we will send **A 50c PKGE. FREE** to any address. C. H. ROWAN DRUG CO., Room 106, 53 RIVER ST., CHICAGO, ILL.

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

WRITE THE ADVERTISERS

Whose announcements you find in Up-to-Date Farming. You will profit thereby and it helps both the Advertiser and the Publisher.

CAMERA & COMPLETE OUTFIT



25c Takes pictures 1½ x 1½. A little gem. Sure to please. Leatherette covered camera and complete outfit of plates, paper, chemicals, &c. with complete instructions so any boy or girl can take GOOD PICTURES of landscapes, buildings, friends, &c. All sent for only 25c (silver) or 3 for 50c.

ALDEN & CO., Sta. A, Indianapolis, Ind.



LOOK at these poor sufferers all bent with nerve-racking pain—they are victims of kidney trouble; they think it is a rheumatic twitch. Friends say they grumble, but considering their awful pain, they bear up most bravely.

Oh, it is terrible that there should be such suffering, when you can be relieved so quickly, so surely, so simply, and right now, free of charge.

(From the Chicago Inter-Ocean.)

All readers of Up-to-Date Farming who have sick friends, suffering from rheumatism or kidney trouble, will be interested:

FINDS NEW KIDNEY CURE

Dr. T. Frank Lynott, New York Specialist, discovers remarkable remedy.

At last a perfectly harmless and positive cure appears to have been found, Dr. T. Frank Lynott, formerly of the New York University, New York, later of the famous Bellevue hospital, and now a celebrated specialist in Chicago, has a very quick acting formula which has been approved by the best doctors.

The editor of Up-to-Date Farming saw the above clipping from the Inter-Ocean and wanted to know of this new formula for curing kidney trouble.

Arrangements were then made by which Dr. Lynott offers the Up-to-Date Farming readers a *free treatment.* Dr. Lynott, however, says that he proposes to give the free treatment only for a limited time to convince the public in every part of the United States of the positive wonderful efficacy of his treatment.

Furthermore, Dr. Lynott wants to make it clear that he has no "cure all." He is a specialist in kidney and bladder diseases and rheumatism, so please do not write to him unless you have one of these diseases. If you write at once both the medical advice and the medicine are entirely free.

The editor of this paper, Up-to-Date Farming, feels that with such a free offer, anybody who stays sick with kidney trouble or rheumatism deserves to be sick.

I know that a good many free offers have been advertised where the public had to send money, *but this free offer really IS A FREE OFFER.* And remember that instead of getting an ordinary physician, you get the medical advice free direct from America's greatest of all specialists on these diseases. See Free Treatment Certificate at bottom of this page and get relief *right now.*

STOP!



Stop that back-breaking, twisting, terrible, terrible unbearable agony! Oh, that awful, awful digging soreness—the back all bent, the joints stiff, the heart-wringing pain--stop that pain RIGHT NOW!

Yes, Write For the Free Treatment---

a REAL Free Proof Treatment, that will give you relief—relief at once—not next week, not tomorrow, but relief AT ONCE—**immediately** after starting the treatment. It is so **simple,** so mild, yet so scientific and so **sure**—this treatment for rheumatism, kidney and bladder trouble. Write now, today.

SEE THE CERTIFICATE BELOW—sign it and send it today. **No money—no obligation. At last** you can get relief and, if you write at once, you get the treatment absolutely free. Just think—a genuine free treatment by America's and Europe's **leading specialist—absolutely free—really and genuinely free to convince the public.**

IF YOU HAVE KIDNEY OR BLADDER TROUBLE OR RHEUMATISM (the cause of those pains), then it's your loss if you suffer any longer. When Dr. Lynott says free, he means free—not one cent to pay; and it's "up to you" whether you want the best medical advice and medicine all without a cent of cost. Don't miss this wonderfully liberal offer. See the Free Trial Certificate at the bottom of this page.

Dr. T. Frank Lynott

whose photo is printed here is, as you perhaps know, a great authority on kidney and bladder trouble and rheumatism. Rarely before has a physician of such high standing offered to treat patients by mail. But Dr. Lynott wants the people to get the benefit of this free treatment.

His cures have extended over America and Europe. In fact, Dr. Lynott received a special diploma on urinary diseases from the great New York University—of which the famous Bellevue Hospital, New York, is now an honored part.

WATCH These Symptoms!

Trouble in the kidneys begins slowly, slowly. It creeps upon the unsuspecting patient like a thief in the night. Slowly, slowly those stinging, racking pains foist themselves upon the sufferer; gradually, gradually the pains increase into a daily, nightly, constant, endless torture. Watch the symptoms, and cure yourself. Here are the principal symptoms of uric acid disease:

The Symptoms

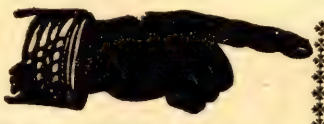
1—Pain in the back.
2—Too frequent desire to urinate.
3—Burning or obstruction of urine.
4—Pain or soreness in the bladder.
5—Prostatic Trouble.
6—Gas or pain in the Stomach.
7—General debility, weakness, dizziness.
8—Constipation or liver trouble.
9—Pain or soreness under right ribs.
10—Swelling in any part of the body.
11—Palpitation or pain around the heart.
12—Pain in the hip joint.
13—Pain in the neck or head.
14—Pain or soreness in the kidneys.
15—Pain or swelling in the joints.
16—Pain or swelling of the muscles.
17—Pain and soreness in nerves.
18—Acute or chronic rheumatism.

NOW THEN This Certificaue is FREE

You get the treatment, the medicine and Dr. Lynott's personal attention absolutely free, if you write at once. Instant relief for those terrorizing pains.

Send no money—read the certificate, note that it puts you under no obligation. Dr. Lynott is glad to see a sufferer cured—write at once and get free treatment.

JUST Your Name



And ADDRESS and the SYMPTOMS

of your disease given by number. That is all Dr. Lynott wants. Read the free treatment certificate; read how it puts you under no obligation whatever, how it says specially and distinctly that you are not under any obligations whatever.

SEND NO MONEY--just write for the free treatment

REMEMBER—This free treatment offer is limited. Only a certain number can be taken under Dr. Lynott's care. If you answer this offer the first time you see it you are guaranteed the free treatment. So better send the free treatment certiffcate today, at once, and remember, you need instant, immediate relief from those awful pains.

DR. T. FRANK LYNOTT, 3816 Occidental Bldg. CHICAGO

☞ If you have a friend suffering with kidney or bladder trouble or other uric acid disease, such as rheumatism, don't you feel you owe it to your friend to tell him or her of this free offer?

Free Certificate

What is Your name? .....
State plainly, Mr. Mrs. or Miss.

Your Address? .....

What Symptoms Have You? .....
Give number from table above—that is all.

What is Your Age? ..... Married?.....

Just fill out the above—nothing to sign, you see. Just answer the questions and be sure to give your name and address. You are under no obligations whatever. The FREE proof treatment will then be sent *at once prepaid.* Cut out this certificate (or write a letter describing your symptoms) and get *INSTANT relief from those racking, rocking pains.* Address personally.

DR. T. FRANK LYNOTT
3816 Occidental Bldg.
CHICAGO, ILL.

I Want It

No Matter

where you are, whether you are a man or a woman, twenty years old or seventy, living in town or in the country, all you need do is to say "I Want It" and it will be sent right out to you. You don't need to write a long letter, don't need to fill out any tiresome blanks, don't need to give any references or send any money or stamps. It makes no difference what your trouble is, whether you are sick in bed or just not feeling right—we don't ask your trouble and you need not write a word about it. All you need do is clip the coupon, which says "I Want It," fill in your name and address and we will send it to you, without a penny from you. This is how we are offering Bodi-Tone to every reader of this paper who is ailing or in poor health. This is how one hundred thousand sick people have already tried Bodi-Tone, the new medicine for the sick, which has cured thousands during the past eighteen months' time, including many of the readers of this paper. We are glad to send it to you, glad to give you a chance to try it, to learn what a great medicine we have made, to learn how chronic diseases can be cured with the right kind of medicine, containing the right ingredients. We want you to say "I Want It" so we can send you a full-sized one dollar box of Bodi-Tone to try for twenty-five days, *to prove to you what it can do for you.* If it benefits you as it has benefited thousands, pay us a dollar for it. If you are not satisfied, don't pay a cent. We leave it all to you. We won't ask for pay afterwards or dun you. We know you will gladly pay for real benefit, for real health, vigor, strength and comfort, such as Bodi-Tone brings to the sick, and we feel so sure of Bodi-Tone that we gladly take all of the risk, for it is now curing sick men and women by the thousands.

Bodi-Tone

does just what its name means—*cures disease by toning all the body*, and we want you to try it and see what it will do for *your* body. Bodi-Tone is a small, round tablet, that is taken three times every day, either before or after meals, as you may prefer. Each $1.00 box contains seventy-five of these tablets, enough for twenty-five days continuous use, and we send you the full box without a penny in advance, so that you can try it and learn what it is, so you can learn how easy and simple it is to take, so you can learn how it works in the body, how it *cures stubborn diseases* by helping nature to tone every organ of the body.

The composition of Bodi-Tone is not secret. Every one of the many valuable ingredients used to make this splendid remedy are well known to all doctors of all schools; each has a well known and thoroughly established place in the realm of medicine and is regularly prescribed by all physicians.

Each ingredient is named and fully described in the Bodi-Tone book, which tells all about Bodi-Tone and is sent free to every Bodi-Tone user. You know just what you are using and know it is good and safe. Among the ingredients which compose Bodi-Tone are Iron, to give life and energy to the Blood, Sarsaparilla to purify it, Phosphate to nourish the Nerves, Lithia for the Kidneys, Gentian for the Stomach, Chinese Rhubarb and Oregon Grape Root for the Liver, Cascara, which restores tone to the Bowels and Intestines, and Peruvian Bark for the General System. All these ingredients pull together to *restore health in the body*, each serves to build upon the others work, each one helps.

We claim no credit for discovering the ingredients in Bodi-Tone, each of which has its own well-deserved place in the medical books of most of the civilized world and all of which are recommended by the best modern medical writers and teachers. Many are prescribed regularly by the medical profession for diseases in which we recommend Bodi-Tone, most of them have been successfully used separately or in combination with other drugs for the treatment of innumerable diseases, but *the exact combination found in Bodi-Tone* is peculiar to Bodi-Tone alone and gives Bodi-Tone a curative and restorative power peculiar to itself, that has brought health to thousands during the past year's time. We simply claim credit for the formula which we have invented, for the way in which these valuable ingredients are combined, for the proportions used, for the curative force which thousands have found in Bodi-Tone, for the cures which make it different from other remedies. That is why we want to send a box on trial to you immediately, as soon as you write for it, for we know you will find it different and superior. Though Bodi-Tone is a scientific medicinal combination, most of the ingredients used in it are familiar to the common people, and are remedies which they, as well as the doctors, *know to be good*, remedies in which they can place fullest confidence and know they can safely use.

Bodi-Tone

is right all through, from the first to the last ingredient, a remedy that knows its work in the body and does it in a way that satisfies the body-owner. It is a pure remedy that all the family, young and old, can use. It contains no narcotic or habit-forming drugs, it contains no ingredient that your own family doctor will not endorse and say is a good thing. It does not depend on killing pain with opium or morphine. It does not excite the body with alcohol, but it tones the body and cures its disorders with the remedies that nature intended to tone and cure the body or that power would not have been given them. They have work to do and do it.

Bodi-Tone offers its valuable services to you right now, right from this page, if you are sick, if you need medicinal help, if your bodily organs are not acting as they should, if your body is not in right, natural and normal tone. This is what Bodi-Tone is for—to help nature restore tone to the body, to restore health, vigor, vitality and strength.

If there is anything wrong with your Kidneys, Bodi-Tone helps to restore tone to the Kidneys, helps to set them right. If there is anything wrong with your Stomach, Bodi-Tone helps to tone the Stomach, helps to set the wrong right. If there is anything wrong with your Nerves, your Blood, your Liver, your Bowels or your General System, the ingredients in Bodi-Tone, which are endowed by nature with a special action in these parts, go right to work and keep on working day after day, exerting always a well-understood, definite action that produces curative results of the kind sufferers appreciate. If you have Rheumatism, Bodi-Tone, a splendid eliminant, helps to eliminate the Uric Acid from the system while it restores tone to the Kidneys, Stomach and Blood, thereby exerting a continual anti-rheumatic effect which makes it hard for rheumatism to obtain or retain a foothold in the system. Bodi-Tone should be used by all women suffering from any of the various Female Ailments, for its toning properties are especially valuable in such ailments. Bodi-Tone is especially urged for all chronic sufferers who have tried honest, reputable physicians at home and elsewhere without getting the relief and permanent benefit desired. If your local doctor is doing you no real good, if you have given him a real and honest chance to do what he can and the medical combinations he has used have failed, then give *this scientific, modern combination* of old-time remedies a chance to show what it can do.

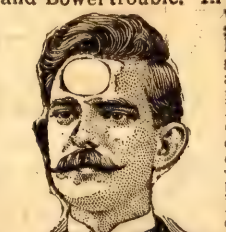
Don't Put It Off

Why delay another day, when a trial of this new and proven medicine is yours for the asking? Why keep on suffering, day after day, when all you need do is clip out the coupon which says "I Want It," fill in your name and address, and mail it to us, to get a twenty-five days' treatment of this great remedy that has already put thousands on the road to health. The curative powers of Bodi-Tone have been amply proven by one solid year of cures. It has been tested in thousands of cases, covering a great variety of ailments in both sexes, at every age, and its results are more than sufficient to amply prove the wide curative value of this splendid formula. It was advertised from the start as a remedy for *all* of the body, and its aid has been sought by chronic sufferers from most of the important diseases which destroy the body's peace and comfort.

Persons suffering from Rheumatism, Stomach trouble, Kidney, Liver and Bladder Ailments, Uric Acid Diseases, Female Troubles, Bowel, Blood and Skin Affections, Dropsy, Piles, Catarrh, Anaemia, Sleeplessness, LaGrippe, Pains, General Weakness and Nervous Breakdown, have tested Bodi-Tone and fully proven its great value in such disorders.

Their experiences have proven beyond a shadow of doubt that the Bodi-Tone plan of *toning all the body* is a right plan that helps to *cure* these and other disorders, that it is *a real aid to nature.* How Bodi-Tone has acted in these cases is best shown by the letters of praise received from former sufferers. Every day's mail brings its share, for the fame of Bodi-Tone is spreading like wild-fire, *because Bodi-Tone is doing the work* and proving its superiority over common remedies. Many who have for years been in poor health and have tried most all of the prominent medicines, have written that *one single box of Bodi-Tone* did more good than *all* the others combined. Hundreds of others have written that Bodi-Tone did the work after good doctors had failed. The following letters are but a sample of the thousands we receive read them and judge for yourself.

ALVORD, TEXAS.—I had Heart trouble, Indigestion and Bowel trouble. In fact, I was all out of shape and



was so nervous that I could not stand to be left alone for any length of time. I had just about given up hopes of ever getting any better when I happened to read an advertisement about Bodi-Tone. It appeared so honest and straightforward that I decided to make one more effort to get health, and I'm very thankful that I did so. I have paid out hundreds of dollars for patent medicines and doctor bills without any permanent benefit, but since using Bodi-Tone I feel better and stouter and more like a man than for twelve years, as it has been that long since I was first taken sick. It has had a good effect all over my body, for I have had a remarkable improvement in the condition of my Heart, Stomach, Bowels and Nerves. I have gone back to work and am able to work right along, with renewed energy and vigor. N. R. SIPES.

MURRAYVILLE, GA.—My health was very bad for over a year before I began to use Bodi-Tone. I had Stomach and Heart trouble and also a bad cough which



both bothered and worried me a great deal. I had tried various remedies, but they did not seem to reach my trouble, and I was very weak when I began to use Bodi-Tone, in the Spring of 1909. I happened to read about it in my paper and sent for a box to try. Before I had taken all of the first box I could tell I was gaining strength and knew that I had found the right medicine at last. I used it all summer, about four boxes in all, and was soon able to do all of my own work, and could walk three miles a day without stopping to rest. It strengthened my entire body, for I have not had as much as a bad cold since I began to use it. My periods were not regular, but since I began taking Bodi-Tone they are perfectly regular and I feel altogether like another person. MRS. JAMES SOUTHER.

POWELL, PA.—I think a great deal of Bodi-Tone, for it cured my Dyspepsia, although nothing else that I ever used did me any permanent good. I had taken a well-



known dyspepsia powder that helped me just while I took it, and I used various kinds of dyspepsia remedies which I got at the druggist. Then I heard of a medicine in Syracuse, a sort of food that they called a dyspepsia biscuit. I got three one dollar packages, but they did not do me much good. A short time later I heard how Bodi-Tone was being offered on trial, and sent for a box to test it. It helped me right from the start and beat anything I have ever heard of. I thought the dyspepsia would come right back on me, but it never has. I can now eat anything, and what is more, I have not had any Rheumatism since I used the Bodi-Tone, although before, I was subject to it and had frequent bad attacks. My general health has been very good. GEORGE LANTZ.

Trial Coupon

Clipped from Up-To-Date Farming

Bodi-Tone Company, Hoyne & North Aves., Chicago, Ills.

I want it. I have read the Bodi-Tone announcement, offering a $1.00 box of Bodi-Tone on 25 days trial, and ask you to send me a dollar box by return mail, postpaid. I promise to give it a fair trial and to send you $1.00 for same promptly if I am benefitted at the end of 25 days. If it does not help me I will not pay one penny and will owe you nothing. The following is my full name and address to which the Bodi-Tone should be sent.

Name _____

Town _____

State _____

St. or R. F. D. _____

Bodi-Tone Company,- Chicago.

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, OCTOBER 1, 1910 | Number 19

It Is a Guess and a Jump, and a Gain or a Loss

"The potato deal," says the Produce Record, "has been good for some and poor for others. The fluctuations made money for those who were in right and blasted the hopes of those who were in wrong."

That picture of the potato market is simply a picture of all the markets. It is a guess and a jump, and a gain or a loss; the producer being helpless in the hands of the guessing dealer, and the consumer being at the mercy of the retailer. * * * * *

See Editorial.

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD
It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.
400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

The 1911 Overlands Cost 8 Per Cent Less

The Overland—the most successful car that was ever created—starts the new season with some great innovations.

There are now about 20,000 Overlands in use, and half that number are used on farms. We delivered 12,326 in the first seven months of this year. There are 20,000 owners now telling others about these simple and trouble-proof cars.

Dealers have already ordered more than 18,000 of the 1911 models—models at this writing scarcely one week old. On every car ordered there has been paid a deposit.

We now have five factories, better equipped than any other motor car factories on earth—a daily capacity of 140 cars.

In two years the Overland, by the force of sheer merit, jumped to the leading place. Now we have such an equipment, such prestige and such output that no maker can hope to compete with us.

28 Per Cent Cut in Cost in Two Years

We have now invested over $3,000,000 to produce Overland cars in the most exact, most economical way. We have more modern machinery than ever before was employed in this industry.

Last year this equipment cut our making cost 20 per cent—an average of $300 per car. This year we have cut the cost 8 per cent further, making 28 per cent in two years.

We have done this in spite of advancing materials, the jump in rubber, the increase in wage. We have done it while most other makers of low-profit cars have been forced to advance in one way or another.

Five of our old models which we retain have been cut in price an average of 8 per cent because of this saving in cost. For instance, our best selling car—Model 38 with a detachable tonneau—which last year sold for $1,100, sells this season for $1,000.

On every new model we have cut our basic price 8 per cent under last year.

The Overlands for 1911 give as much for the money as will ever be possible, in all probability. They give more for the money—a great deal more—than any rival car on the market.

22 Attractive Models

For the new season the Overland is made in 22 models; they include every style and design, every size and power, that any man can want.

Mechanically the cars are not greatly improved—that was impossible. No man desires—no man expects— a more perfect car than the Overland.

But we have created a dozen new attractive designs—cars as classy as the costliest cars in the world. And we include the fore doors on most designs without additional charge. This is a new feature for which most of our rivals charge an extra price.

Price For 1911

This season we make a four-cylinder, 20-horse power roadster, with 96-inch wheel base, for $775. We are making a torpedo roadster—the latest design—for $850.

The 25-horse power Overland, with 102-inch wheel base, sells for $1,095 this season. Five styles of body, all at one price.

This season we make a 30-horse power Overland with a 110-inch wheel base. It is made in three styles—your choice for $1,250. The 5-passenger models have fore doors if you want them.

For those who want the utmost we make 35-horse power Overlands with 118-inch wheel base. Price $1,600 and $1,675 for everything a man can possibly want in a car.

All prices include five lamps and magneto.

Our 1911 Book Free

Send us this coupon for our advance book, showing all the designs and giving all specifications. Pick out the models you want to see, then visit the nearest of our 800 dealers. The book is free. Please cut out this coupon now.

The Willys-Overland Co. N 74
Licensed under Selden patent
Toledo, Ohio

Please mail your 1911 Book.

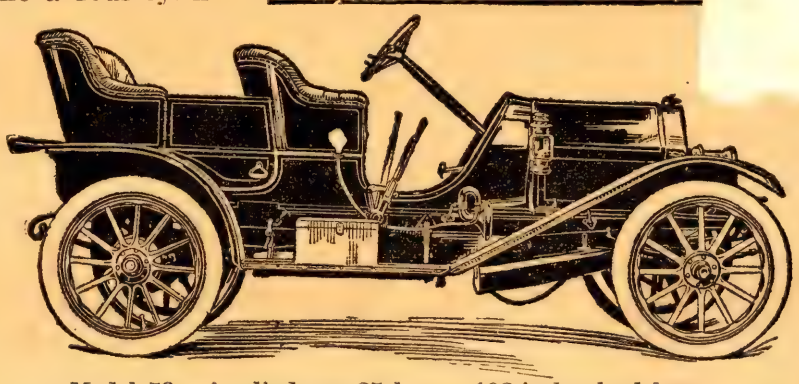
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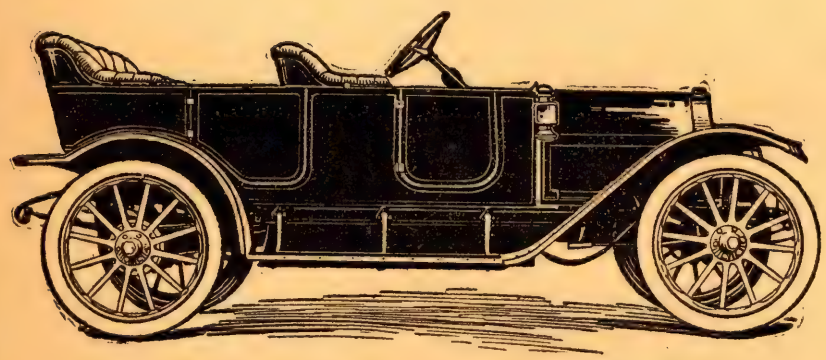
20,000 Owners say to you

"Buy an Overland for 1911"

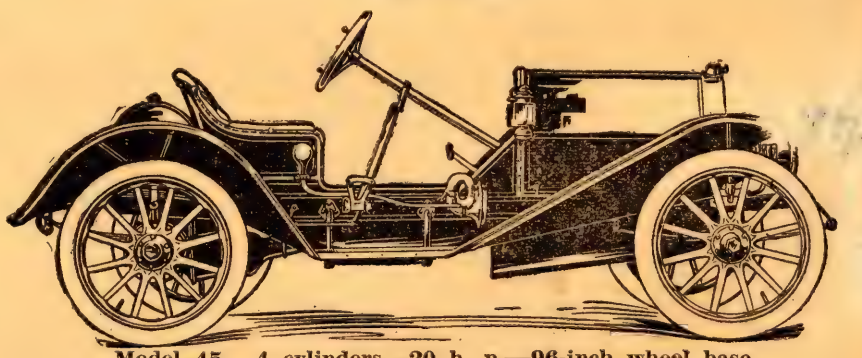
Licensed under Selden patent,



Model 59. 4 cylinders—25 h. p.—102-inch wheel base. tonneau is detachable, allowing room to carry farm truck or milk. Price, $1,095.



Model 51. 30 h. p.—110-inch wheel base. A 5-passenger car made with fore doors or without. Also as torpedo roadster. Price, $1,250.



Model 45. 4 cylinders—20 h. p.—96-inch wheel base. Made only in roadster style shown here. Price, $775.

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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Roosevelt and Lorimer

A Test of Equity

WHATEVER may be the future position of Ex-President Theodore Roosevelt in the United States or the world, he is doing some very unusual things, and is causing himself to be more thought of and talked about than any other man in the world to-day. And the strange part of it is that what he does is consistent, and, therefore, puzzles both priest and prophet, and startles the politicians. From the remarkable speech on his journey home from Africa, in which he arraigned the British nation for bad government in Egypt, and pointed out reforms he declared should be inaugurated there, a speech so startling in its import that the British papers almost regarded it a casus belli against the United States, but which the British government considered with such seriousness that the reforms demanded were introduced within thirty days thereafter—from that remarkable speech to the present; in fact, we may say from the beginning of his public career, his plea has consistently been for honesty in public affairs and good government.

The latest Roosevelt sensation, (at least the latest at this writing; what may be at the time this article is read only a prophet could tell), is the refusal of the Ex-President to sit at a banquet with United States Senator William Lorimer, in he latter's home town Chicago. The banquet was given by the Hamilton Club, a Republican organization of that city. Senator Lorimer was a member of the club. The banquet was made for the special entertainment of an Ex-President of the United States, and he was to be the guest of honor. Lorimer's position as United States Senator and his membership in the club, and at his own home—these things naturally gave him an honored place also.

Again: Senator Lorimer is a Republican, and so is Ex-President Roosevelt. The banquet was given in honor of a distinguished Republican by the leading Republicans of a great State, one of the most prominent being a United States Senator from that State. But in all his speaches Mr. Roosevelt has put honest and honor above party, and Mr. Lorimer's election to the United States senate is tainted with the charge of bribery, and his strongest supporters are allies of the special interests that Mr. Roosevelt has opposed in speech, and press, and official act. It is reported that the Ex-President, therefore, informed the committee that met him at Freeport, Illinois, on his way to Chicago, that he would not attend the banquet if Lorimer did. The following are given as Mr. Roosevelt's words:

"Senator Lorimer represents the anithesis of what I represent in politics. I cannot, in justice to myself, sit at the same table with him, gentlemen; I can't do it. If the Illinois senator is to be present at your dinner I can not go."

The committe informed Mr. Roosevelt that Senator Lorimer had already been invited, to which the Ex-president is reported to have replied:

"Very well, you may do as you please about that; but I shall not attend that banquet if Senator Lorimer is to be there. Why, gentlemen, it would be just like sitting at the same table with Browne and all those others," referring of course, to the alleged bribed and bribers in the sensational election.

The club decided for Roosevelt and honesty, and by its president, sent Senator Lorimer the following telegram:

"Col. Theodore Roosevelt positively declines to sit at the same table with you at the banquet tonight. Our invitation to you is, therefore, withdrawn."

This is an incident without a parallel in political or official life. The banquet was held. Col. Roosevelt was there, but Senator Lorimer was not. At the close of his speech Col. Roosevelt said:

"My friends, I ask you men of Illinois, that you purify politics; that you hold accountable the scoundrel, great or small, who has been guilty of corruption; that you insist on cleanliness in your puble life, and I ask it in your name and for your sakes; I ask it for the sake of the American people, and I ask it for the sake of all the nations of the world, that their hope may not be made dim and that they may continue to cherish the ideal of the posibility of having a government of, by and for the people, that shall mean also the government of justice, and the government of honesty."

Apparently in explanation of his attitude toward Lorimer, even though the alleged bribers may not be convicted in the courts, Mr. Roosevelt said:

"We make the question of public honesty a sham if we limit the use of the word 'honesty' to mere law. There have been big business men, whom I have counted among the most insidious enemies of the real welfare of this republic, although they have been so advised that it would be impossible to convict them, and there have been in the United States and there have been in New York many public men whose careers have been scandalized throughout the country, although they keep clear of the courts."

Senator Lorimer has resigned his membership in the club, and political bosses are in a turmoil and tumult.

It took a brave man to do what Col. Roosevelt did in this case, and yet it was the only consistent course open to him. Had he met Mr. Lorimer at that banquet it would have been to recognize him as an equal, and to say to the world, I do not believe what is said of Lorimer, or, if it is true, I do not care. Roosevelt's record absolutely forbade his doing that.

This action places Roosevelt unequivocally against corruption even in his own party and among his party leaders, and it manifests a disregard of the position or standing of wrong doers that is seldom found in public men. It affords an example for the politicians and statesmen of future years. It is, in fact, the very essence of the principles of equity, of justice and fairness and equal privileges and opportunities for all—equity in all the relations of life, not excepting politics. What matters whether it is a Senator of the United States, a Judge of the Supreme Court, a member of the President's Cabinet, or a ward heeler in the city? What matters if it involves this political party or that? Wrong doing and corruption are obnoxious anywhere, and true patriotism, love of country and good government, cannot and will not condone the evil. Roosevelt is for Equity.

A Body or a Mass

ALL great modern achievements have been by organized bodies. Cyrus Field planned the ocean cable, but an organization of capable men laid the wire. Edison invented, but organizations made the inventions useful. Great minds conceived the transcontinental railways, but it took organized effort to build them, and make travel and transportation from ocean to ocean an important but very commonplace affair. To control the meat supply of the country; and the sugar, and the iron and the steel; are great things to do, things that would not have been believed possible in any other age, and no individual, or mass of individuals acting separately could have done it; but organized and working as bodies, each to its purpose, the work was done. The masses confess it and accept the conditions produced by it, with a grimace, it is true, but with a feeling of can't-help-it-ness.

Other great things have been achieved. A continent has been tamed, and homes have been made where no dream of homes existed before. Farms bared their rich acres to the implements of husbandry, and the world has been clothed and fed. But these great things control nothing. Each farm is limited by individual ownership, and each individual is urged to produce more and more, without knowledge as to how much will be required or what reward the crops will bring. After harvest it is often found that there is no profit in what is produced, and neighbors in their astonished fields, with their lines of possession and effort between them, wonderingly ask each other why.

Here is a great work by a mass. Each does his best, but he can neither direct nor control his business, because his neighbors on every side are doing as he is doing, working as an individual, and leaving the results to chance, or the manipulation of others who are organized.

The unorganized mass is helpless as the sands that may be moved by the shovel in the worker's hands or pulled down by gravity with the rushing water. **THE ORGANIZED ROCK REQUIRES AN EXPLOSION TO MOVE IT.** Farmers must be organized. How else can they hope to compete with the great organizations that fatten on what acres and farm labor produce?

DO THE PEOPLE GET WHAT THEY WANT?

THE press of the country delights to argue that in the matter of law the people get what they want; that the lawmakers, being chosen by the people, dare not refuse to give what the people demand. There may be some doubt as to whether that is true. The lawmakers may grant in name what is demanded, but to meet the demands in reality is quite another matter.

For instance, if an unmistakable popular demand was ever made, it was made during the last presidential campaign for a revision of the tariff, and everybody understood that demand to be for a revision downward, and for a tariff that did not so entirely operate to the benefit of the combinations and trusts. The revision came at the end of an unusual and unwarranted struggle, and the people got revision; but did they get what they wanted and had so emphatically demanded? Some of our ablest statesmen, and those, too, on the political side of protection, say they did not.

A few years ago the people were told what a benefit to them would be the enactment of what was called the denatured alcohol bill. The people were worked up to making a demand for the law. A law by that name was enacted. The people had got what they demanded, it was said. That was several years ago. Has any farmer ever heard of its disturbing the whisky interests in any way, and can any farmer point to a single benefit the law has ever been to him? Did the people get what they wanted?

Corruption was found to be rampant in the party conventions, and the people demanded a primary election law to take the place of the conventions. Such laws were enacted by many of the states and the people found they were so framed as to disfranchise independent voters, perpetuate the rule of the party bosses, and compel the taxpayers, whether allowed to vote or not, to pay the expenses of two elections instead of one. Did the people get what they wanted?

The farmers particularly were greatly annoyed by town and city hunters who came upon their premises, and at unseasonable times, shoot the birds and small animals that had grown up on the farms at the expense of the farmers—shot such game often to the injury of the farm stock. So tired of this did the farmers become that they demanded a law that would stop such shooting and protect such game. The demand was complied with; a game law was enacted; but the farmer found that he dare not shoot a bird or an animal on his farm except under strict regulations, but the gun club hunter had his time to shoot the birds and animals the law protected for him. Is that what the farmers wanted?

There was a demand for a postal savings bank It was said a law would save the people in many localities from the rapacity of certain financial institutions, and enable people in localities moderately prosperous, but who were not convenient to banks, to deposit their savings in the post offices, and thus become business patrons of the United States government. The demand was granted of course. A postal savings bank bill was adopted. What reader of this paper has yet made a postal deposit? What post office has been authorized to receive such deposits? It is said the government is getting ready to authorize a few post offices in the financial centers to do so, but where is the person with moderate earnings, or the community without banking facilities, that has been benefited by it? Did the people get what they wanted?

The people must adopt a different rule with their lawmakers. They must learn to note this difference between the names and the substance. Shrewd manipulation to show the false and hide the real, must be detected and tabooed. Skim milk must not be accepted when cream was demanded and promised. There must be faithful performance or stern repudiation. There must be equity even in politics.

URGED TO SELL AT FIRST OFFER.

THE habit so long indulged by farmers of selling their marketable crops at harvest time and for the first offer, is the curse of agriculture. It is that which clothes the farmer in coarse garments, his wife in calico, and his children in rags. It is that which makes his home unattractive and uncomfortable, and too often compels him to carry a burden of debt. The lowest prices prevail at harvest time, and selling everything then is bound to glut the markets and make prices still lower.

Speculators during all the years have urged that farmers sell at harvest time, because the lower the prices can be forced the better it is for speculation. But a new doctrine proclaimed by this and a few other papers, has opened the eyes of the farmers and discredited the reports of the speculators, and the banks have now taken it up. These institutions have long made much of the need of money to move the crops, a need that can exist only when the bulk of the crops are all sold at once. The banks, as we have shown in other articles, have largely gone into the control of the combines, hence they join in urging farmers to sell at the first offer. Read the following New York dispatch to the Produce News:

The big banking houses have just completed an investigation of all conditions, especially in the West and South. Large quantities of money will be needed from September 1 on to move the crops and had not some preparation been made a distressing money stringency might have existed. The banks are curtailing loans and advising the early marketing of the large portion of all food commodities. If farmers and others interested in crops can be induced to move a good portion of them early it will have a tendency to make money easier.

And, we may add, give the bankers a better chance to win heavy discounts on forced loans, and glut markets for the benefit of speculation.

When to sell is a matter of information and judgment. It must be clear to any one that early sales and sales all together must glut the central markets and demoralize prices, whereas holding under certain conditions may not be profitable. What the farmers need and must have is a SYSTEM that will enable them to sell wisely; a system that knows what and where the supply is, and how great, and where the demand is, and then sell so as to satisfy the demand at equitable prices, and yet glut no markets. That is the Equity System.

GOOD AND BAD.

THE potato deal, says the Produce Record, has been good for some and poor for others. The fluctuations made money for those who were in right and blasted the hopes for those who were in wrong.

That picture of the potato market is simply a picture of all the markets. It is a guess and a jump, and a gain or a loss, the producer being helpless in the hands of the guessing dealer, and the consumer being at his mercy.

There is no field in which it is easier to act intelligently. There are definite places of production, and these places make quite definite yields. All these places are now in ready communication with the outside world. Ignorance of the supply is inexcusable.

On the other hand, the demand is definite also, and every point of consumption may be known and promptly communicated with. Hence piling up a surplus in central markets, glutting those markets, impairing the quality of products and destroying prices is inexcusable. It is proof of a business ignorance wholly incompatable with the intelligence manifested in other things. It is piling up stuff and wasting it where it is not needed, and starving those who do need it elsewhere. No wonder the trade is good for some and bad for others. It ought to be equitable for all.

SMOOT'S FIGURES ASSAILED

IN a recent issue of Up-to-Date Farming we quoted some price figures given in the United States Senate by Mr. Smoot of Utah, to show how much better prices farmers now receive for their products than they received a few years ago, better not only in the prices themselves but in comparison with the prices of things farmers must buy.

Our readers will remember that we seriously questioned those figures and showed how they might be made misleading by taking unfair years for comparison. We quoted them, however, with all allowance for their correctness and fairness, to prove that this is a period of good opportunities for farmers, a fact fully established by the figures quoted, as well as by conditions entirely independent of the figures.

But Senator Smoot's figures have since been strongly disputed, the Fruit Trade Journal going so far as to characterized the address and figures as "pure, bald, unadulterated buncombe and misstatement of facts." That may be putting it too strong, or it may not, but the fact remains that these are good days for farmers, and that class need only to avail themselves of their opportunities to become the greatest financial power, as they are now recognized to be the greatest power for usefulness, on earth. And the transfer of the power of wealth from the concentrated financial institutions to the farmer would be no loss to equal opportunities and honest endeavor. Let the farmers come to the front.

A STRANGE ECHO.

"IN the coolers of the city," says a Louisville paper, "are 20,00 cases of eggs, a greater volume than the storage people ever saw placed away here." About 8,000 cases are said to be held by the Grinstead-Nunnely combination, who are heavy operators in southern Indiana and central Kentucky; 7,000 are held by the Armour interests; 2,500 by the American Butter and Cheese company; 1,500 by C. Wigginton & Co., and the other 1,000 cases by smaller dealers.

These eggs were largely stored at the high prices of last April and May, and should the butter and egg trust, operating with the beef trust, and controlling the banks, chose to put down the price of eggs this fall and winter, and compel these houses to sell to meet their financial obligations, it is easy to see that these houses and all others similarly situated, would be driven out of business, and the trusts would be complete masters of the situation.

But why have all these eggs been held through the high prices that have prevailed during the past summer? There has been a constant demand and the high price of meat and other foodstuffs, has made it an opportune time to sell. Every one has a right to manage his own business, provided he does not thereby harm the public, but we shall be surprised if some one be not made alive to some serious errors of judgment before the world is much older.

BANKS HELPING THE TRUSTS

ANOTHER article in this paper shows clearly how the banks may help the trusts. We believe that it is unfortunate that the banking institutions may control the money of the country. Capital concentrated in the great trust corporations may easily get control of the banks, as it is alleged the beef trust now controls so many of them, and then it is easy for the trusts through the banks, to control all else.

Corporate power has increased wonderfully during the last few years. It is difficult to explain many conditions and events on any other theory than that corporations and trusts are stronger than the government. The people vote, and the government is called a republic, but when a question arises between the people and the corporations, and any branch of the government is called on to decide it, the decision may easily be read in advance, and the corporation continues in business in the same old way. What the result is to be a few years hence one may not now say.

IT DEPENDS ON THE SELLING AND DISTRIBUTION.

SAYS the Produce News: "We believe there will be no cheap vegetables this winter, such as dominated all the markets last season."

That depends entirely upon how the products re sold and distributed. If the producers accept what the speculators may offer with the first report of big crops, and the whole production rushed to the cities and gluts the market at harvest time, the quality will be stale and the prices low—bad for producer, buyer, grocer and consumer. But if the selling is controlled to meet the demand, and the product intelligently shipped to points where it is needed, prices will be equitable all winter, and all classes will be benefited.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

MINIMUM PRICES

We believe the following are fair and equitable minimum prices for the crops mentioned. We believe conditions of supply and demand are such that these prices will be paid before the next crops are produced. Certain it is that, if producers will hold their crops and ask these prices they will be paid, because the world of consumers cannot get along without them. The farm price will be the minimum price less freight and a fair commission to the handler.

Minimum prices on other crops will be announced later.

WHEAT—No. 2 red, at Chicago	$1.20
OATS—No. 2 white, at Chicago	.47
BARLEY—Good malting, at Chicago	.75
TIMOTHY HAY—Choice, at Chicago Per ton	$20.00@21.00
CATTLE—Choice to Fancy Steers, at Chicago, per cwt.	$8.50
HOGS— At Chicago, per cwt.	$7.50@10.00
RYE—At Chicago	.75
BUCKWHEAT—At home	.85
BEANS—At Detroit	$2.75@3.00
BROOM CORN—At Chicago, per ton	$150@175

WESTERN RECEIPTS OF GRAIN

Comparison Sep. 20 and a year ago.

	Bushels.		Bushels.
WHEAT	1,314,000	yr. ago	2,075,000
CORN	787,000	yr ago	618,000
OATS	668,000	yr ago	646,000

THERE has been no let up in the decline of prices for farm products; wheat, corn, oats, potatoes, cotton, hogs, and cattle all are lower. Notwithstanding that marketing continued liberal and the visible supplies continue to increase we advise keeping the minimum prices, printed above in mind and holding for them. The crops are worth the prices. Also, we believe all the farm produce raised this year will be needed before next year's crops are available. If we are correct then who will contend that people and domestic animals will go hungry or starve rather than pay the fair prices for the portion that is held? But if there is a surplus now that the world does not need, how about all the talk of the wise men who insisted that consumption had passed production and it would be necessary to greatly increase production to keep a balance? No person contends that the 1910 crops either of this country, or of the world, will surpass last year's, but that they are shorter. Therefore, unless the world will consume less, instead of more as the natural increase in population suggests, how can there be a surplus of food products?



The wheat visible increase while large was only about half as much as the preceeding period of two weeks. We believe the insane dumping is about over and when that time comes prices will go up. The chief difference in the final result will be that the people who took the wheat when the growers dumped will pocket about 20 cents a bushel profit. This on 40,000,000 bushels will be $8,000,000. The spring wheat crop is short and prices for it are well maintained while winter wheat declined about 5 cents a bushel. Chicago is the lowest market in the country. This fact illustrates the need of systematic marketing.

Corn declined about 5 cents in the two weeks past and about 10 cents in four weeks. The market is rapidly getting ready to pluck the dumper and we suppose that individual, who has corn to sell will do his best to climb the pole and bring down the flag of prosperity.

Note that we have added to our "Minimum Prices" Beans, and Broom Corn. Prices that are offered for broom corn now range from $50 to $100 a ton. We advise growers to hold for the minimum. The bean crop will be short and good prices will be paid if growers exercise reasonable firmness in demanding the price.

The figures that follow tell the market story.

VISIBLE SUPPLY

The visible supply of wheat in the United States by Bradstreets' reports, on September 10, was 39,251,000 bushels. That was 4,833,000 bushels more than two weeks before, 22,069,000 bushels more than a year before and 10,376,000 bushels more than two years before. A year ago, in the same period, the increase was 2,212,000 bushels. The two weeks preceding, this year it reached the enormous increase of 8,892,000.

The visible supply of corn on the same date was 6,566,000 bushels. That was 1,740,000 bushels more than a year before and 1,915,000 bushels more than two years before. In the same period last year the visible decreased 226,000 bushels.

The visible supply of oats on the same date was 29,232,000 bushels. That was 7,591,000 bushels more than two weeks before, 13,489,0000 bushels more than a year before and 19,122,000 bushels more than two years before. The visible increased 5,179,000 bushels in the same period a year ago.

The visible supply of barley on the same date was 1,621,000 bushels. That was 643,000 bushels more than two weeks before, 1,225,000 bushels less than a year before and 2,549,000 bushels less than two years before. In the corresponding period a year before the increase was 1,178,000 bushels.

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans

(Continued on Page 18.)

When to Sell Where to Sell How to Sell

WHENEVER you have anything to sell sell it through THE EQUITY SYSTEM, which is the business plan of the Farmers Society of Equity. Read the following market reports carefully. They will give you valuable information. Select the markets that appear to be the logical ones for what you have to sell and ship at once or write first. EXERCISE GOOD JUDGMENT. Don't ship small lots to distant markets, but car loads. If you have not enough get your neighbors to join with you.

There is a difference of 5c, 10c, 25c, 50c or even a dollar or more per unit in values on different markets. The Equity System enables you to select the highest one. Then the local buyer charges figures like these also for doing your business. What's the use of standing these taxes.

Farmers should do more of their own business and close the toll gates. The best way is to organize a local union of the Farmers Society of Equity when the secretary will be the BUSINESS AGENT for all the members. While waiting for that do your own business direct through The Equity System.

EVERY REPRESENTATIVE IS VERY RESPONSIBLE and with high commercial credit.

☞ It has been decided to open The Equity System to every reader of the official paper—this paper—for a limited time. So whatever you have to sell, and all correspondence, address to

"THE EQUITY SYSTEM" at the city you select.

See "Re. Very Important Notice" on page 16 of this paper, also page 17 and send the coupon for other valuable information to all farmers who produce crops to sell.

FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.

ALABAMA

MOBILE—The Equity System here is in in a position to take care of all consignments of cotton and can sell to the buyers here and for export. Also large manufacturers buy in this market. Also, we can secure loans amounting to 75 to 80 per cent of the value of the cotton by storing it in warehouses and depositing the warehouse receipt as security. Rates for storage and terms and all particulars will be given upon request.

This market also needs feed, grains and hay, beans, broom corn and produce generally. We will quote the markets by letter or wire on any bona fide request.—THE EQUITY SYSTEM.

MONTGOMERY—The demand for corn, oats and hay is moderate, here. Fruit and produce such as apples, potatoes, onions, and cabbage is urgent. Communicate with us on anything for sale at all times.—THE EQUITY SYSTEM.

ILLINOIS

CHICAGO—Our market needs apples, pears, potatoes and onions. All of these can be shipped here to good advantage. We also need Western box apples, prunes and pears. We are receiving several cars daily of western stock and the shippers express good satisfaction. We would like to have more. We have broom factories here and I believe we could place some broom corn for your members direct with the manufacturers to good advantage for all parties concerned.—THE EQUITY SYSTEM.

IOWA

BURLINGTON—Our trade needs apples, principally Baldwins, potatoes and grapes. We have buyers here who purchase large quantities of potatoes in the fall of the year, which they store, or they will contract with people who have facilities for storing and to ship out later. In view of the good prices prevailing now, we believe that it will be wise for growers to contract their crop, as influenced by the experience of last year, there will probably be heavy marketing later, which will cause prices to decline.—THE EQUITY SYSTEM.

KENTUCKY

LOUISVILLE—This market needs high grade fall variety of apples, both in barrels and boxes, all varieties of pears with the exception of Kiefers, any good variety of either cling or free-stone peaches, northern grapes of all varieties, and fancy Quinces. All of these articles will meet with ready sale at good prices, although this market consumes all kinds of farm produce and will be glad to quote spot prices on request.

I will also mention first class cabbage and yellow onions as needed in this market. —THE EQUITY SYSTEM.

MASSACHUSETTS

BOSTON—(Night letter-telegram). Market extremely short of peaches. Inform your shippers in Michigan and Ohio. Car lot shippers only should send the long distance to this market. People having Damson plums should get our wire quotation. Apple prices here have advanced on account of urgent demand. This hint should be taken advantage of by shippers. Idaho and Oregon prunes worth ninety to one-fifty, pony. Outlook on grapes excellent. This market always needs enormous quantities of all kinds of produce. Let us know what you have for spot-quotation.—THE EQUITY SYSTEM.

MICHIGAN

BAY CITY and SAGINAW—It will pay to get our offers on well dried, cured onions, sound cabbage, Irish potatoes, as our market is right now to pay good prices.—THE EQUITY SYSTEM.

GRAND RAPIDS—Our market is well supplied with nearly all kinds of produce from the immediate territory. — THE EQUITY SYSTEM.

MINNESOTA

ST. PAUL—This market makes urgent demand for apples, both from the west in boxes and barrels from Missouri and Kansas. Also New York Baldwins. Also, we shall have to ship in cabbage and onions on account of short crops in the northwest. —THE EQUITY SYSTEM.

MISSOURI

KANSAS CITY—We need cabbage, apples, onions, sweet potatoes and honey, particularly. Also, the market for butter, eggs and poultry is good. Also, this is one of the best markets in the country for grain and live stock. Tell us what you have for spot-quotation. — THE EQUITY SYSTEM.

NEBRASKA

OMAHA—Please communicate to producers of onions and potatoes that this market needs them and will buy f. o. b. shipping station for cash or delivered to Omaha. Also, report anything else in farm products line for spot-quotation.—THE EQUITY SYSTEM.

NEW JERSEY

NEWARK—Our market is in fine shape for potatoes, apples, cabbage, grapes, live and dressed poultry, veal and eggs. Also, this market consumes immense quantities of seed grain, hay and in fact all farm produce.

If your people get to using this market, I believe they will be pleased with the returns. Assure them that your representative here will make every effort in their behalf.—THE EQUITY SYSTEM.

NEW YORK

BUFFALO—Please mention in the official paper that this market is at present a very desirable distributing point for Indiana and Ohio onions of the yellow variety. A large territory looks to this market for supplies and they are now contracting for them for immediate or future shipment. Also, live poultry, especially chickens and fowl, are doing splendidly. Of course, our people should not lose sight of the fact that our market consumes everything produced on the farm and will be pleased to make spot-quotations on any genuine offers.—THE EQUITY SYSTEM.

NORTH DAKOTA

BISMARCK—Potatoes are very scarce here and this market needs them badly. I hope that the readers of our official paper who have potatoes to ship in carload lots will communicate with me and get my offers.—THE EQUITY SYSTEM.

OHIO

CINCINNATI—Our market wants good No. 1 apples, potatoes, onions, eggs, poultry and butter, specially. It may be in special need of other commodities at any time; therfore, readers of our official paper should submit their samples for offers, although knowing that this is as good a market as any city in the country, we recommend that they ship and let us sell the goods on their merits. Our best services will always be at their command.—THE EQUITY SYSTEM.

TOLEDO—We are well stocked with potatoes at the present time. If any are shipped here, they should be in 2½ bushel sacks. Fancy Virginia sweet potatoes in barrels are worth $1.75 per barrel, tracks here now.

Please call the attention of your readers to our special needs in winter varieties of apples, Greenings, Baldwins, Spies, etc., both No. 1's and No. 2's, packed in standard barrels. Don't ship any cabbage and grapes here now as our home grown stock is sufficient.—THE EQUITY SYSTEM.

COLUMBUS—Our market is urgently in need of potatoes, apples and beans. All of these are short crops in Ohio this year, and our market takes six to ten cars each day. At this writing potatoes bring around 70c delivered in bulk. Many of our people are buying now to store or will contract for future shipments. Growers ready to ship now, or prospective shippers will do well to consider this.—THE EQUITY SYSTEM.

OKLAHOMA

OKLAHOMA CITY—Our market wants all the time, and particularly at this time potatoes from Colorado, California, Idaho and Montana, cabbage and onions from any section of the country that can ship in carload lots, apples from Washington, Oregon, Colorado, Idaho and all other producing points. We want shipments only in carload lots, and will contract for such at agreed prices for immediate or future shipment. Potatoes are especially active just now and the demand is the best we have known for some time.—THE EQUITY SYSTEM.

PENNSYLVANIA

JOHNSTOWN—As an example of our market, I will say that today I could sell potatoes at 61 cents per bushel, cabbage $9.70 per ton, sweet potatoes $1.70 per barrel, No. 1 timothy hay $18, No. 2 $17, oats 39½ cents, No. 2 yellow corn 63½c. Other farm produce is in demand here and I will gladly quote prices on request, or give my personal and best attention to any consignments made.—THE EQUITY SYSTEM.

PHILADELPHIA—Our market is very firm on the following commodities: Apples, peaches, pears, grapes, potatoes, onions. Also live poultry and eggs. We cordially solicit the shipments from readers of our official paper at any time, or samples showing quality for quotation. We believe when shippers appreciate the convenience and advantages and the extra money they will make, by using the Equity System, that they will discontinue using the old System of marketing.—THE EQUITY SYSTEM.

TENNESSEE

MEMPHIS—The demand is very active here for apples, onions, cabbage and potatoes. I hope a number of our friends who read the official paper will tell me what they have or send sample and let me quote them prices.—THE EQUITY SYSTEM.

TEXAS

GALVESTON—This market is now in good shape for apples of all kinds, especially packed in boxes. Also, Colorado and California potatoes, also, good sound onions from any State. Also, express shipments of string beans are wanted, and can be handled to good advantage.

This is the greatest cotton market in the country. I recommend that the readers of our official paper who have cotton to sell, will communicate with me and arrange to send it direct to this market, rather than to sell it to the country merchant or the travelers sent out by the brokers and speculators. Through the Equity System they can get all that the final market pays, as representatives of factories are constantly on this market to buy cotton. Also, I can arrange for storage and get liberal advances for those who believe in higher prices.—THE EQUITY SYSTEM.

RHODE ISLAND

PROVIDENCE—We want onions from Indiana and Ohio, direct from the grower. If growers will display a better business system and ship direct instead of selling direct to the local buyer, I can guarantee from five to ten cents a bushel more, and frequently better than that, than they realize. This just to illustrate the advantage of the Equity System. We also want apples from any part of the country, potatoes from Maine, New Jersey and New York state, oranges, grape-fruit and other fruits from Florida. Also we need beans and hay.—THE EQUITY SYSTEM.

VIRGINIA

NORFOLK—This market needs hay in small or medium bales. Also, butter, eggs, cheese, live and dressed poultry, all of which are in good demand. We will gladly answer all inquiries and want to arrange the matter of price before the shipments are made. —THE EQUITY SYSTEM.

LYNCHBURG—No shipments from the west are needed on our markets now except hay and grain. Will be pleased to quote the market on these or request. — THE EQUITY SYSTEM.

RICHMOND—Parties having onions, cabbage, apples, beans, potatoes, poultry of all kinds, live or dressed, fresh eggs, calves, seed, grain and hay should report, sending sample or describing goods, for our quotations.—THE EQUITY SYSTEM.

WISCONSIN

MILWAUKEE—The requirements of this market this year are going to be very generous ones, because Wisconsin has not maintained its reputation as a heavy surplus producing state and must, on the contrary, bring produce in. We need now, fine, well-packed apples, and as indication, red fruit is bringing $4.50 per barrel and green fruit $3.00 to $3.50 per barrel. There is also a good demand for seconds, packed separat . Onions are also in demand. Just now we also need potatoes, and the price is high. Later we look for lower prices to rule. Remember we must ship produce in from other states, therefore, we want to hear from any person having the stuff to sell. — THE EQUITY SYSTEM.

NORTH DAKOTA

GRAND FORKS—Will state again that we still need hay, oats, corn, potatoes and apples.

We have had quite a number of letters from readers of our official paper, but as a rule they have been at points where it is not practical to ship to this market. That is no fault of the Equity System, and farmers will soon learn the logical places and thus save them some unnecessary correspondence. For their guidance we recommend that if they are not very well up in the geography of our country, that they refer to a map and let the offers be from points that are at least in fairly direct railroad communication with this point. We are very much pleased with the result of our market report appearing in Up-to-Date Farming.—THE EQUITY SYSTEM.

LOUISIANA

NEW ORLEANS—We need large quantities of onions, potatoes, cabbage, apples, etc. Also, we will be pleased to assist your readers in marketing their cotton. They can ship it direct to us and get the final market price from buyers who are always on this market. Or, we can arrange for storage and get liberal advances for those who believe in higher prices later. Most of the cotton is bought up by country merchants, who in turn sell it to the same people that we would come in contact with. Therefore, it is evident the advantage the Equity System will have for cotton growers over the old system.—THE EQUITY SYSTEM.

The Equity System of Marketing is also established in thirty-two other markets. Send the coupon on page 17 of this number and get in line.

God Speed the Day.

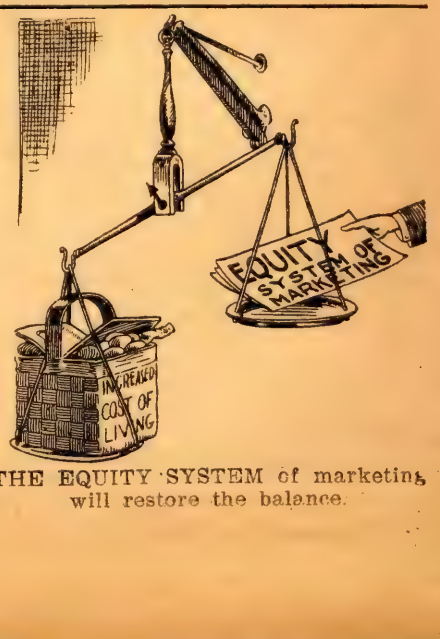
Dear Editor: For some time I have been thinking of sending you some greetings of encouragement I hope God will sustain you and let you live to accomplish the great work you have mapped out for the good of all the people. It is about as big a job as Moses had. The chosen people had then been in bondage 40 years, while the farmers have been in bondage working for other people to price and amrket, much more than 40 years. But I can see plainly that the teaching of Up-to-Date Farming. is taking effect. The leaven is working. God speed the day when the whole mass will be converted and rise to the support of the Farmers Society of Equity.—T. R. Lamb, Wayne Co., Ind.

UP-TO-DATE A GOOD ONE

Dear Editors:

Recent numbers have been particularly good. I am pleased to note the rapid growth in circulation of our paper. It is highly pleasing to your readers, the way Up-to-Date Farming handles those who tried to destroy it and its principles, and the way it holds to true Equity, nails its detractors to the tree, brings to justice the evil doer and holds at bay some so-called farm papers. Expose the evils of trust and combinations, and keep on reminding Secretary Wilson of the damage to farmers of his advance estimates on crops. I am astonished at your ability to so smoothly iron the wrinkles out of such fellows as Drayton, Sharp, Speer, Peevy Collins, et al. Oh, how well you seem to hold in your hand the mighty jaw bone of everlasting truth and how you do knock to the right and left, the evil doers.

I am very glad to note that you intend to have the farmers organized this year.—Squire Tichenor, Matanzas, Ky.



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Cleans and Grades all Seeds. I'll Pay Freight no Matter Where You Live—Take a Year to Pay Me if You Keep It. By that time this remarkable machine will pay for itself and keep on making big money for you every year. No money down—no note—no contract. Return at my expense if you wish. You'll see what wonderful work it does. Don't grow weeds or plant weak seeds and get only half a crop of grain or grasses. Clean and grade with a Chatham.

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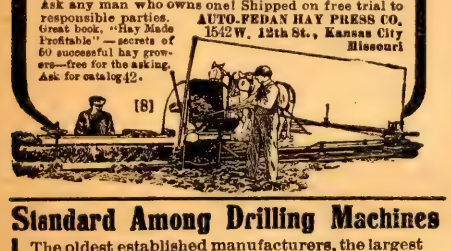
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Standard the world over. For every possible condition of earth and rock drilling and mineral prospecting we make a drill especially designed for the requirement.

Catalog No. 105, the most complete "drill hole" catalog ever issued, Free.

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Absolutely the best wagon built for every kind of heavy teaming. Low steel wheels, wide tires. Will last a lifetime without repairs.



STEEL WHEELS for farm wagons—any size to fit any axle. Send for our free booklet before you buy a wagon or a set of wheels.

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1 MAN AND ONE HORSE BALE 1 TON an HOUR

Do Your Baling Cheaply

Our Daisy SELF-THREADING, self-feeding one-horse hay press is the only one on which one man can do all the work. First successful self-threading device. Self-feed, automatic condenser increase results. Open side hopper. Five days free trial. Write today for prices and reports of actual work.

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IMPERIAL Pulverizer

Clod Crusher and Roller for Dry Farming



Send for Circulars **The Peterson Mfg. Co.** Kent Ohio.

UP-TO-DATE FARMING

Production and Marketing

WHEAT IN INDIANA.

We learn from a circular recently issued from Purdue University, that Indiana stands first in the Union in the production of soft winter wheat; that the State grows annually more than two million and a half acres of wheat; that the average yield of the State for the last ten years was 13.3 bushels per acre; that the cost of producing an acre of wheat in Indiana is about $12.37; that experiments in ten representative counties in the State show an average gain due to fertilization of wheat of 11.6 bushels per acre, the average cost per acre for fertilizers being $3.67; that the average yield of wheat grown under ordinary farm conditions on the Purdue Experiment Farm for the part 25 years has been 28 bushels per acre.

This information presents great possibilities to the Indiana wheat farmers; and not only to those of Indiana but to those of all the interior States that, like Indiana, are adapted to growing wheat. The authors of the circular make the mistake that nearly all writers do, of estimating the value of the gains at the prices that prevail previous to the gains, whereas it is known that material increase of the crop reduces the price.

Still there are great possibilities ahead of the Indiana farmer. If ten counties, by an outlay of $3.67, can add 11.6 bushels to the yield per acre, why is any farmer satisfied with the ten year average of 13.3 bushels? And if the people at the Experiment Station can for 25 years hold the yield to 28 bushels per acre, why do not all the farmers adopt the methods of the Experiment Station?

The circular referred to, which gives those methods in detail, was issued in good time, and this paper will reach its readers in the midst of seeding. We hope every farmer will demonstrate his progressiveness by seeing to it that his ground is better prepared to meet requirements, that he has a little better seed, and that additional and more available plant food is provided. Think of the gain of 11 bushels per acre, and of the continuous yield of 28 bushels per acre. Of course these gains cannot be made in a single season. They involve crop rotation and various other changed conditions. But they may be begun now, and continued until the best results are reached.

THE BEGINNING OF WASHOUTS.

Just after harvesting a meadow on sloping land, there came a heavy rain, and a few days later we noticed several ditches had begun to cut down the slope. These ditches once started, of course, every washing rain would make them larger, until by the next harvest some of them would likely be too deep for the machine to cross them, besides the damage that would be done to the field. It was necessary to do something, but what?

In several places in the very same meadow bunches of damaged hay and weeds had been left. These needed to be removed, of course, to make the meadow clean for next year. Less than half a day was required to gather up this waste matter and tramp it into the starting diches. Two problems were solved.

ALFALFA AND CLOVER.

Prof. Hopkins of the Illinois agricultural college says alfalfa is a hard crop to start. It is delicate and tender, and to put alfalfa on ordinary land without any protection or any help, is about like throwing away $4 an acre. The money is ordinarily wasted if you sow it as you would clover. Then sow clover instead of alfalfa. This, of course, is for the non-alfalfa producing sections.

THAT DEPENDS

Every ton of grain sold on the market takes with it from $6 to $9 worth of soil fertility, but if the grain is fed on the farm and the product sold in live stock or butter, less than a half a dollar's worth of soil fertlity is sold with it. That is the slogan of nearly every farm paper and institute lecturer. The inference is that what is not sold is kept in the soil. But grain that is fed on the farm takes as much fertility from the soil as does that which is sold and taken away; and if the manure is allowed to waste in the lot or in and about the barns, the soil that produced the feed is just as much impoverished as if the feed itself had been removed. If the fertility given back by the stock benefits the soil it must be returned to it, a thing too many farmers neglect to do.

Besides, all cannot depend upon the sale of stock for their only revenue. It is all right to teach farmers the value of barn yard manure, but they should also be taught other means of maintaining fertility.

THE WASTE PLACES.

This is a splendid time of year to study the waste places on the farm. A friend, through whose farm some branches run, decided to clean them out during August. He was surprised at the amount of land that had been lying idle along them.

Few farms are so well kept that more or less idle nooks and corners and points may not be found upon them. Generally they are the very best land on the farm, and no farmer can afford the waste of allowing them to remain idle. Bringing them into usefulness may be a problem on account of their location; but it is a problem every thoughtful farmer may solve in some way, and the farm is not at its best until it is solved. Land is too precious now to allow any of it to go to waste.

IF THERE IS ANOTHER FARM JOURNAL PUBLISHED IN THE UNITED STATES THAT IS AS VALUABLE TO THE FARMERS AS THIS ONE, I HAVE NEVER SEEN IT. NO PRODUCER OF FARM CROPS CAN INVEST 25 CENTS TO BETTER ADVANTAGE THAN IN A SUBSCRIPTION TO THIS VALUABLE AND PROGRESSIVE JOURNAL.

—John H. Sanford, Fayette Co., Ia.

RICE FARMING.

Fortunes are to be made in rice-farming in the southwest. Find out all about this section by sending a postal to E. W. LaBaume, 1321 Pierce Bldg., St. Louis, and asking for a copy "The Rise in Rice." It is free to readers of Up-to-Date Farming.

COULDN'T WALK

"Uncle Joe was actually driven to his grave."

"Yes, it was too far to carry him, and he couldn't walk."

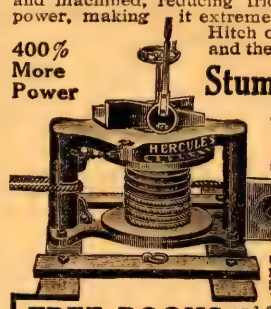
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Stump Puller on 30 Days' Free Trial

Clear up your stumpy fields at our risk now with a famous Hercules on 30 days' Free Trial. Test it on your place at our risk. Pulls stumps out, roots and all. 400% stronger than any other puller made. Triple power attachment means one-third greater pull. The **only** stump puller guaranteed for 3 years. **Only** one with Double Safety Ratchets. **Only** one with all bearings and working parts turned, finished and machined, reducing friction, increasing power, making it extremely light-running.

400% More Power



Hitch on to any stump and the

Stump is Bound to Come

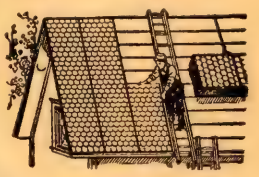
Also pulls largest-sized green trees, hedgerows, etc. Don't risk dangerous and costly dynamite. It only shatters stump and leaves roots in ground. Save big money by getting our free trial offer. Also special proposition to first buyers where we have no agents. Write us a postal card today. Address

FREE BOOKS

HERCULES MANUFACTURING CO.
160 17th Street, Centerville, Iowa

Get a Steel Shingle Roof That's FIREPROOF!

At **manufacturers' wholesale factory-to-farm cost** the world's **BEST** roof is yours! Cuts fire insurance cost **10 to 20 per cent!** A $10,000 Guarantee Bond against lightning, which absolutely protects you.



Edwards "REO" Steel Shingles

will beautify your buildings amazingly! Makes them the neighborhood pride and causes an instant leap in farm's **cash value!** At manufacturers' prices "Reo" Steel Shingles cost **one-half** the price of best wood shingles!—and outwear **four** wood roofs and **six** composition roofs! **They outlast the buildings themselves! Easiest to lay**—a hammer and a few nails, a few minutes' light work, and the **world's best roof crowns your buildings!**

Get Standard Roofing Book

Write today. Also ask for catalog No. 1051—the world **standard** roofing book.

The Edwards Manufacturing Co.
(The World's Largest Manufacturers of Steel Shingles and Metal Roofing)
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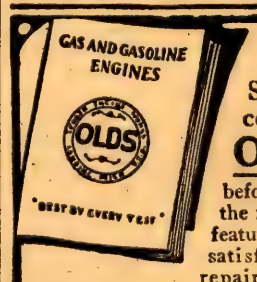
With the Rosenthal New Corn Husker and Shredder. Made for the individual use or companies of farmers, requiring 10 to 15 H. P. Also smaller size requiring 6 to 8 H. P.

Shredded corn fodder is natural, wholesome winter food for stock. Ensilage is too eagerly devoured and cattle overfeed with the result of unhealthful condition and exposure to tuberculosis. Write us for catalogs and prices. State how many horse power you use.

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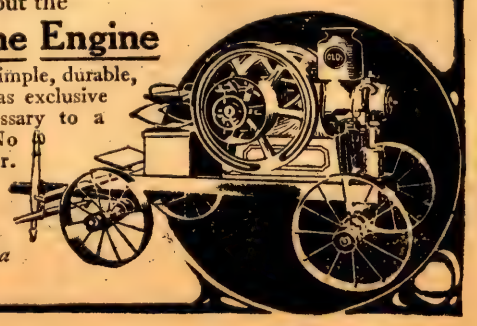


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Send for it; it's free, new and interesting. You should certainly know about the

Olds Gasoline Engine

before you buy. It is simple, durable, the most economical, has exclusive features absolutely necessary to a satisfactory engine. No repair bills for one year.



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AUTOS INCREASE VALUES

If your farm is on an interurban electric line it is worth more because of that fact. It is near to the towns and cities in point of time if even tho just as far away in miles. And that makes it worth more.

Is it unreasonable to suppose the automobile will accomplish the same result in a greater or less degree? An automobile makes the farmer closer to town in the same sense that the electric cars do. Then the automobile should increase the value of the farm.

Already many city people are moving to the country, a few miles from town, and depend on the auto to take them back and forth in all kinds of weather. They are increasing the farm values.

Farmers will yet benefit more than any other class by the auto. Have you one?

It is hard for one to see any danger ahead to the finances of the grain belt arising from farmers overinvesting in autos. If nothing worse than this ever troubles the finances all is plain sailing ahead. The farmer has some use for an automobile, aside from the pleasure side of the proposition, which is all the city owner can get out of a machine. The farmer can mix pleasure and business together in his auto trips. He can load in his cream or eggs and make a quick trip to town and back, while the team rests in the barn. He can attend church services and let the horses enjoy their well-earned rest in the home shade, unbothered by the the heat and the flies. He can attend neighborhood sales and pick up bargains without losing time from the necessary work of the farm. He can make hurried trips to town to replace broken castings, when otherwise the horses must be taken from work which needs to be done and much valuable time be lost. He can put the lever into "high speed" and eat up miles in his mission of life or death when sickness or accident comes and the life of a loved one is at stake. He can add that desired touch of gaiety and pleasure to a busy life by taking his family to town to theatre, Chautauqua lecture or various entertainments and still give the horses the rest which is their due. He can take advantages of the fluctuations of the market and carry his small produce of all kinds to the nearby town when prices are highest, and buy at bargain sales when prices are lowest.

All this talk of farmers buying automobiles being a forerunner of financial stress does not appeal to us as sound reasoning. After a farmer has earned his money he has a right to do with it as he chooses, and we are convinced that very few farmers are buying autos who really cannot afford them.

On the question of extravagance on the part of motor car buyers, interesting light is shed by J. W. Perry, president of the National Bank of Commerce at Kansas City, the distributing point of almost every manufacturer who is sending cars into the southwest.

"I do not know of one instance," Mr. Perry says, "where a man has mortgaged his home to purchase a motor car. There may be some extravagance in motor cars, just as there is in other things. There is a lot of buncombe about the idea that our financial condition is threatened by motor car extravagance. I suppose if a man has the money he can spend it for whatever he desires, be it a motor car or anything else. It's his money and his business what he spends it for.

"The motor car is now an economic proposition. We move ice, groceries and merchandise in motor cars and motor trucks and save money at it. I believe the motor car is to become a great factor in commerce."

KNEW THEM BOTH

"That man over there wants to borrow some money from me. Do you know him?"

"I know him as well as I know you, and I wouldn't lend him a cent."

ASHES AND POTASH.

A SUBSCRIBER wishes to know the real value of ashes as a fertilizing element. Prof. Ten Eyck of the Kansas station says a good article of hard wood ashes contains about seven per cent of potash and two per cent of phosphoric acid. Such ashes would be worth about $9 a ton, but it must be remembered that ashes are of very different grade and quality.

Ashes, however, have other good effects on land aside from the two elements above mentioned. They help to make the nitrogen the soil may contain in an unavailable form available, and thus have the seeming effect of adding all three of the principal plant foods, nitrogen, phosphoric acid and potash. They also have something of a lime effect in neutralizing soil acidity. It is good to use ashes with barnyard manure, and, whether with manure or not, from 25 to 50 bushels per acre may be used. Note that we are talking of uncleaned hard wood ashes. Leached ashes, or ashes of pine or other soft woods, are of very little value. Coal ashes contain little or no plant food, but their application may benefit lands in some cases by loosening them up.

Load 4000 lbs
Electric Handy Wagons



8 days' work in 6—Boy equals Man
The one unbreakable, low-down farm wagon. Wonderful steel wheels (unlike others) all heights and tire widths. No rutting. Makes all farm hauling easy. Book shows why it's the wagon for you. Let us send it free. Electric Wheel Co., Box 54, Quincy, Ill.

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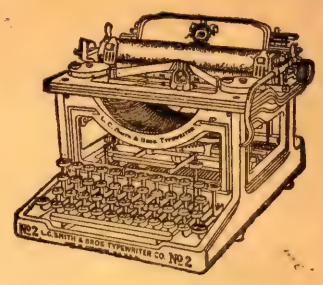


Here is the opportunity now for everybody who wishes to get ahead—to enjoy life and make money. We will give you inside pointers on how to join a brass band. Band catalog and particulars FREE. Write today. Just send your name and address.
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We furnish best ingredients and tell you how to mix fertilizer that will produce big crops on your soil. Our plan will interest you, our system will save you money. Write today for complete information.
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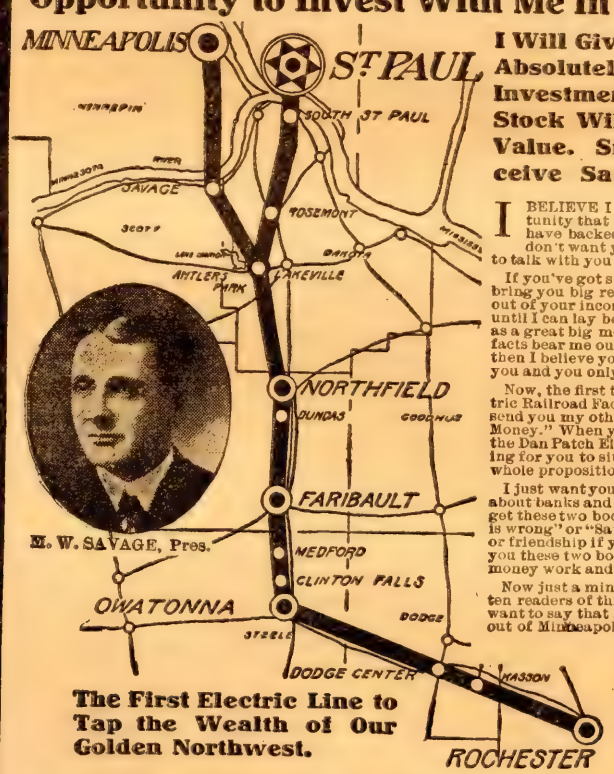
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The First Electric Line to Tap the Wealth of Our Golden Northwest.

I Will Give You $1000 in the Voting Stock, Absolutely Free, in Addition to a 10 Share Investment, and I Believe this Free Stock Will Increase to Over $2000 Cash Value. Smaller Investments Will Receive Same Proportion of Free Stock.

I BELIEVE I can show you the best electric investment opportunity that ever came to your notice—I firmly believe it and I have backed up my belief by a $100,000 investment myself. I don't want you to say "yes" or "no" until you give me a chance to talk with you a little while.

If you've got some money that you want to place where it will bring you big returns, or if you want to invest a little each month out of your income, give me your careful attention for a little while until I can lay before you an investment proposition that strikes me as a great big money maker for the people, and the indisputable facts bear me out in my judgment—I want you to have all the facts and then I believe you will want to put your money where it will work for you and you only.

Now, the first thing to do is to send you my big 40-page "Book of Electric Railroad Facts," which I'll mail you free and at the same time I also send you my other book called "Why Wall Street Rules With the People's Money." When you get these two books which contain all the facts about the Dan Patch Electric Railroad and about me, personally, then I'm willing for you to sit in the quiet of your home and pass judgment on the whole proposition.

I just want you to have these two free books that will open your eyes about banks and Wall Street and investments in general; and when you get these two books I'll stake my chances on whether you'll say "Savage is wrong" or "Savage is right," and it won't interfere with our feelings or friendship if you never invest a dollar or never write me again. I offer you these two books free—I want to show you how you can make your money work and earn for you.

Now just a minute, while I give you a few facts. Perhaps nine out of ten readers of this paper know me already, but to those who do not, I want to say that I've been doing a national and international business out of Minneapolis for the past 22 years.

WHY WALL STREET RULES WITH THE PEOPLES MONEY

BOOK OF ELECTRIC RAILROAD FACTS

My business is now the largest of its kind in the world—made so by the continued patronage of nearly three million, thinking, progressive, hard working farmers and stock-raisers. These people are my friends and customers—thousands have already invested in my new enterprise—some from your own State and from every State in the Union and every Province in Canada. I have built up a number of big enterprises here in the Northwest and now I'm building the biggest of them all. It is known as the People's Electric Railroad, owned and controlled by the people.

Dan Patch Electric Railroad

The Dan Patch Electric Railroad runs from Minneapolis to Rochester, and back from Lakeville to St. Paul—130 miles.

I am not merely "thinking" of building this Railroad, I am really building it now. The Northern Section is now in successful operation—great crowds tax the capacity of our magnificent cars—3000 tons of steel rails are being delivered and laid on the Northfield Division and grading has commenced on the last division south.

I am working to make this the best constructed and biggest dividend-paying Electric Railroad in the country. High-class Electric Roads from New York to Spokane are great money-makers. I tell you all about it in my Big Book. This is the second time I have given the people a chance to share with me—my other new enterprise paid 8 per cent the first nine months and 10 per cent again this year.

Now is your chance to share with me in this enterprise—the greatest of them all. I will give you $1000 in voting stock in addition to a small investment. I want to send you the estimated net profit statement, showing how your investment can rapidly increase in cash value. This information is contained in my Big Book of Electric Railroad Facts. I want you to have it even though you never invest a dollar, and I am especially anxious for you to have my new Book, "Why Wall Street Rules With the People's Money."

Don't be backward about sending for these books I want you to have them and they won't cost you a cent—they are free—some of these Wall Street secrets will open your eyes. I want you to see how the people's money works for Wall Street. I want to show you how to make your money work for you and for no one else.

M. W. Savage, President Dan Patch Electric Railroad Minneapolis, Minn.

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MAIL ME THIS "FREE BOOKS" COUPON

I personally guarantee to protect your stock equally with my own and that it will make exactly the same per cent of profit. This is truly a people's road that is owned and controlled by the people.

I have just published a splendid photograph, 15x21 showing our splendid cars crowded with people arriving at Washburn Park Station. I will send you one free with the books—I want to tell you about this investment opportunity and how 4000 small investors have made it possible to build and operate this line without the help of Wall Street.

Dear Mr. Savage:—I don't know whether I'll invest any money or not, but would like to have you send me your two Books—without any obligation on my part—"Book of Electric Railroad Facts" and "Why Wall Street Rules With the People's Money."

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M. W. SAVAGE, President
Minneapolis, Minnesota

WHY Do They Pretend?

Why do makers or agents of common cream separators pretend that such machines are modern? They know that disks or other contraptions are not needed in properly built machines. They know that contraptions are merely makeshifts to cover up lack of skimming force resulting from wrong construction. They know that

Sharples Dairy Tubular Cream Separators



contain no contraptions, yet produce twice the skimming force, skim faster and twice as clean as common machines. They know that Tubular construction is patented and is the only known way of building simple and modern separators. They know that Tubulars put common separators out of date ten years ago. Do they think they can hide these facts or mislead you by pretending an out-of-date machine is modern?

Tubulars are The World's Best. World's biggest separator works. Branch factories in Canada and Germany. Sales easily exceed most, if not all, others combined. Probably replace more common separators than any one maker of such machines sells.

Sharples 30 Yrs

Write for Catalogue No. 136

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KENDALLS SPAVIN CURE

To Bring Him Back to the "High-Stepping" Class

THE REMEDY USED ALL OVER THE WORLD

For Spavin, Curb, Splint, Ringbone, Abnormal Growths, All Lameness

Kendall's is the main dependence of thousands of horse-owners who have tested its worth for many years and never found it wanting.

GOOD FOR MAN OR BEAST

Ashland Ave., Blue Island, Ill., May 21, 1909.
Dr. B. J. Kendall Co.
Gentlemen: I have been using Kendall's Spavin Cure for over 20 years. I have at all times kept a bottle of Spavin Cure in my barn, and always found it a good medicine to have on hand for man or beast. Yours respectfully,
George Wilson.

Sold by Druggists Everywhere. $1.00 a Bottle; 6 for $5.00. Keep it in the house for family use, as well as in the stable. Get a copy of "A Treatise on the Horse" at your druggists or write to

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ABSORBINE

will reduce inflamed, swollen Joints, Bruises, Soft Bunches, Cure Boils, Fistula or any unhealthy sore quickly; pleasant to use; does not blister under bandage or remove the hair, and you can work the horse. $2 per bottle, delivered. Book 7 E free.

ABSORBINE, JR., for mankind, $1 and $2 per bottle. Reduces Varicose Veins, Varicocele, Hydrocele, Goitre, Wens, Strains, Bruises, stops Pain and Inflammation. Your druggist can supply and give reference. Will tell you more if you write. Manufactured only by

W. F. YOUNG, P. D. F., 102 Temple St., Springfield, Mass.

Make Your Own Repairs!
Mends Harness, Shoes, Canvas; Myers' Sewing Awl makes lock-stitch like sewing machine. $1 postpaid.
BIG MONEY FOR AGENTS.
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UP TO DATE LIVE STOCK AND DAIRYING

THE HOG AND MONEY

WHETHER there is profit in the hog depends upon two things, how much it costs to get it and how much it brings. The natural summer feed for hogs, as for all other animals, is growing vegetation and fruits. The richest and best of these is clover, alfalfa, rape, peas and artichokes. The farmer that can give his hogs plenty of these, will have for market the best pork and that which has cost him the least. Time is also an element in the estimation of profits. The hog that drags through a year and a half or two years is not a profitable hog. Profit is a thing that grows both up and down. In the case of a hog it increases for a period and then it decreases all the remainder of the time. Hence, no matter how good the pasture, help it with enough of grain or other feed to push the pig into pounds as fast as possible; and at the finish don't be sparing of the grain. There is more profit in 200 pounds in six months than in 300 pounds in a year. We know farmers, though they have not been reading Up-to-Date long, who think they do well if they get 200 pounds in a year. They think they save feed by not giving it, but a little extra feed at the right time is what brings the finest returns. The farmer who thinks he saves money by not using seed enough to insure a stand, is brother to the one who thinks he saves money by not giving feed enough to push to early maturity and a speedy market.

There is a logic in events which invariably brings to the fore, one by one, the links in the mighty chain of reason manifesting in the world, and there is an intuitive principle in man which responds to this logic, perceives its fatefulness and proceeds to serve its ends. At such junctures do men become inspired to work untiringly for a greater good than any which can redound to them individually—the good of their commonwealth or of their fellowmen in general.—F. Milton Willis.

THE YOUNG COW

THIS has well been called a utilitarian age. Everything must be brought to its utmost point of usefulness. This is particularly true of the milk cow, and her period of development is her first period of milk giving. Treat her with the utmost consideration, and see to it that she has the best opportunity for the very best development—good and abundant pasture if in the growing season, supplemented if need be with good milk producing feed. If in the season of dry feed, give plenty of that which is good, and that which is known to be good for milk production. No matter what the season, take no chances on a bountiful supply of good water.

All this may not seem necessary or profitable in this first effort at usefulness, but the work in hand is character-building. The foundation is being laid for future usefulness. What the heifer is brought to do the cow will do later. Be sure, too, to keep up the milk flow for a long period. Do not be in too great a hurry for another calf; and even when one is expected, don't be in a hurry to dry up the cow. Let her give milk to the last reasonable moment. The cow that is dry a third or a fourth of her time is not profitable. "As the twig is bent the tree is inclined." As the heifer is induced to do the cow will do naturally.

THEY CAN PLAY BALL

"The preacher said our colleges tend to disqualify men for business."

"That can't be so, for some of our best ball players have been to college."

NATURAL INSTINCTS OF FARM ANIMALS

IN the care of domestic animals, says the North Carolina experiment station, the nearer we can imitate nature in environment and feed, the greater the chances for success. The care and management of swine furnishes no exception to the rule, as the hog peculiarly clings to that environment which surrounded him in his natural haunts. This fact too many hog raisers seem to have lost sight of.

As an example of the peculiar nature of the hog, if he is confined closely he will return to the rooting habit developed by his ancestors while seeking their food in the forest. This trait is easily awakened in the hog, after ages of domestication. The very fact of the natural freedom the hog once enjoyed is proof that the best results need not be expected in confinement.

Also in his natural haunts, the hog was accustomed to abundant exercise, sunshine, pure air, fresh water, tender meaty, juicy roots, herbs, acorns, worms, and natural grasses. These are a delight to him still; in fact, they are necessary to his best development. It is not absolutely necessary, nor at all times profitable, to imitate nature in every detail, but it should be done so far as practical. Fresh air, sunshine, pure water and opportunity for exercise, with a variety of feed as nature ordered it, should always be provided.

VEAL CALVES

IT must be agreed that veal calves have become a good source of profit on the farm. A good veal calf will now bring as much as a yearling would sell for a few years ago. But as in almost everything else, the better the calf the more it will bring. There is doubt as to the wisdom of selling veal calves. It is a policy that undoubtedly has a bad effect on the country, and reacts unfavorably on the meat supply. A two or three year old steer makes more meat than a calf of a few weeks; and, though the price of the calf may be attractive, the steer will ultimately bring a larger sum of profits.

But if selling veals, don't be satisfied with any but the best. There are only a few weeks in which to make them, and there are breeds which respond better to this early push treatment than others. Hence, if veals are your business, breed to that purpose.

The American Well Works, Aurora, Ill., have given nearly one-half century's attention to the deep well and pumping problems. Our readers who are interested in their centrifugal pumps should write for free catalog No. 117. Special Catalog on deep well pumps is No. 110. It will save delay if one states the problem he has in hand clearly in writing this firm for the free catalog desired. Mention Up-To-Date in writing.

RESULTS FROM ABSORBINE ARE GATIFYING

ABSORBINE has recently cleaned up a case of Bog Spavin on a horse owned by Dr. O. R. Rushfield of Iola, Kans., who reported under date of May 16th, 1910 as follows: "The young horse I wrote you about some time ago, is now sound as his mate. He surely was a promising case for "Bog" if ever I saw one." Get a bottle of ABSORBINE from local dealer. ABSORBINE for treating Bog or Bone Spavin, Thoroughpin, Rheumatism, Capped Hock, Fistula, Swollen Glands, etc. On sale at druggists $2.00 per bottle or sent direct upon receipt of price. W. F. Young, P. D. F., 102 Temple St., Springfield, Mass.



SEE AND TRY A

DE LAVAL CREAM SEPARATOR

We cannot believe that there is a sensible man living who would purchase any other than a DE LAVAL Cream Separator for his own use if he would but see and try an improved DE LAVAL machine before buying.

It is a fact that 99 per cent. of all separator buyers who do see and try a DE LAVAL machine before buying purchase the DE LAVAL and will have no other. The 1 per cent who do not buy the DE LAVAL are those who allow themselves to be influenced by something other than real genuine separator merit.

Every responsible person who wishes it may have the Free Trial of a DE LAVAL machine at his own home without advance payment or any obligation whatsoever. Simply ask the DE LAVAL agent in your nearest town or write to the Company direct.

The De Laval Separator Co.

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When you buy ready mixed Stock Food you pay at the rate of $250 a ton for bran, meal and other ingredients. You can mix your own for $3.60 a hundred pounds. Upon request I will send you free a formula for mixing the best **Stock Food** known to the Veterinary Profession. Send post card today for this **Free Formula.**

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America's Fruit and Garden Market

offers you an opportunity to become independent in a short time growing

ORANGES, GRAPEFRUIT AND VEGETABLES.

Two and three crops a year net $500 to $1500 per acre. Quick transportation, low freight rates on S. A. L. Ry. to Northern and Eastern markets. Uniform climate year round. Instructive booklet free.

J. W. WHITE, Gen'l Ind. Agt.,
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The Call of the Southeast

To the man looking for a home, where productive lands, favorable climate and abundant rainfall make the best paying farm locations in America the Southeast is now the unequalled section. Land from $5.00 to $40.00 an acre near to the heart of the country and close to the best markets. The largest returns from alfalfa and other hay, wheat, corn and all truck crops. Lands unsurpassed for stock and poultry raising, and dairying. For fruit growing no region is more profitable. The Southeast has opportunities for every kind of farming. **The Southern Railway** will help you to find the desired location. Send for publications to.

M. V. RICHARDS
Land and Industrial Agent, Southern Railway
1333 Pennsylvania Ave., Washington, D.C.

THE HOME MEAT SUPPLY.

WHEN the writer was a boy, "hog killing time" came to every farm home, and it was generally late in November or early in December. Enough hogs were killed to keep the family in meat the year through. If there happened to be a shortage during the following fall an early fed hog or a grass fattened beef was killed and divided among the neighbors at a reasonable price, or for a like piece returned later.

But hog killing time doesn't come any more. Farmers have quit putting up much meat. They prefer to sell to the shippers, mainly, we suppose, because they can sell at any time of the year—earlier than it would be safe to butcher. Thus the meat supply goes to the city on foot, and the following season it comes back, as a cured product, for the farmers to buy. They may not get the meat from the hogs they sold, but in the price of it they must pay the original shipper a profit, they must pay the shipping bill, the cost of butchering, curing and storage, the cost of the return shipment, and a profit to every one that has handled it.

Is it any wonder that meat is high? Farmers could do without buying a pound. Bring back the interesting, active old day of "killing time." Put up your own meat. Know what you and your family are eating. Have ham, shoulder or side, as you please. Have "spare ribs and dumplings," or boiled backbone. Have melt, lights and liver in their time. Have head cheese in winter, and fat jaw and greens in the spring, and a can of nice, pure lard all the time, with cracklings for the hens to multiply the winter eggs. Have the old time living; and all at first hand.

DEPRAVED APPETITE IN HOGS

HOGS not infrequently manifest a depraved appetite, and such appetite is usually the result of a too one-sided ration. It is generally from a lack of ash or protein, or both. All corn diet lacks these elements, and is the most frequent cause of a depraved appetite, which manifests itself in eating sand, clay, rocks, gravel, rooting for worms, catching and devouring chickens, lambs or other young things, and even in devouring their own pigs.

Corn is highly carbonaceous, and growing hogs and sows that are to produce young, need protein for muscle and body development, and ash for the growth of the bone, and these elements must be furnished or evil results will follow. Hogs that run at large usually find these, and they seldom develop depraved appetites. Wood ashes, charcoal, coal slack, or coal itself, help to correct the deficiency mentioned and will be eagerly devoured in small quantities, but they do not supply the protein the corn lacks.

THE STOCK WATER SUPPLY

WE have known farms where every summer the supply of stock water was a problem. Stock cannot do without water, and the time when water is scarcest is the time when stock need it worst. One of the first things that should be provided on every farm ought to be an abundant supply of stock water.

And it should be good water. The milch cow cannot make milk without water, and the milk will continually partake of the nature of both feed and water consumed by the cow. If the cow must drink bad water she cannot but give bad milk, and as the health of the family not infrequently depends upon the quality of the milk, the subject of good water is of family importance.

HIS OWN VOICE

The audience was indignant. The audience was not sufficiently respectful, he thought. At last he could stand it no longer.

"Who brayed back there?" he shouted.

"It was only an echo," retorted one of the hearers.

THE MULE.

YOUNG mules are selling at abnormally high prices. In some places we have known of their bringing as much as $175 each. We are glad for farmers to get good prices for whatever they sell, but that is too high a price for suckling mules. It means that there must be a change. Such prices cannot be maintained. When the change will come, or what it will be like, we do not know; but there is a level, a median line, that must be reached by all things, even by the mule. We do not blame farmers for selling. There are safer investments than in mules at figures like that.

Still, we believe it is safe to continue to raise mules, and colts also. Good brood mares are worth more on the farm than geldings. Our advise to farmers is to keep the mare colts, and raise brood mares from which to raise colts and mules. The colt or the mule is, and will continue to be, worth more than the work the mare will lose on account of the breeding.

LOW WAGONS FOR SILAGE HAULING.

In a little while, at silage making time, the low down wagon will again demonstrate its great advantages. Hauling green corn is heavy work, at best. It is all foolishness to lift it on to a high wheeled wagon. Look into the merits of the low wagon for this purpose.

If you are looking for a first-class wagon of that type, write to the Electric Wheel Company, Box 54, Quincy, Ill., and get particulars about their popular Electric Handy Wagon.

20 Acres of Fruit Land in

CALIFORNIA

will make you independent in five years. Mild climate. You can work out of doors all the year round.

Write for free information about any part of the State to the

California Development Board
San Francisco, California

It is a State Organization with the Governor as President
and has nothing to sell

Address your letter to Bureau No. 11

FOR INFORMATION AS TO LANDS IN

The Nation's Garden Spot—
THAT GREAT FRUIT and TRUCK GROWING SECTION—
along the
Atlantic Coast Line RAILROAD
in Virginia, North and South Carolina, Georgia, Alabama and Florida, write to

WILBUR McCOY, A. & I. Agt. for Florida, Alabama, Georgia, Jacksonville, Fla.

E. N. CLARK, A. & I. Agt. for Virginia and the Carolinas, Wilmington, N. C.

Farmers! WANTED: One thousand responsible first-class farmers to know about the *Tehama Irrigation Company* and the most productive irrigated lands in the great Sacramento Valley, California. You incur no obligation in writing for free illustrated books. The best offer ever made to you. Write today.
WM. H. UNDERWOOD COMPANY,
Royal Insurance Bldg., Room 809, San Francisco, Cal.

WESTERN CANADA'S 1910 CROPS

160 ACRE FARMS IN WESTERN CANADA FREE

Wheat Yield in Many Districts Will be from 25 to 35 Bushels Per Acre

Land sales and homestead entries increasing. No cessation in numbers going from United States. Wonderful opportunities remain for those who intend making Canada their home. New districts being opened up for settlement. Many farmers will net, this year, $10 to $15 per acre from their wheat crop. All the advantages of old settled countries are there. Good schools, churches, splendid markets, excellent railway facilities. See the grain exhibits at the different State and some of the County fairs. Letters similar to the following are received every day, testifying to satisfactory conditions; other districts are as favorably spoken of:

Takes His Brother-in-Law's Word for It

Taylor's Falls, Minn., August 7, 1910.

I shall go to Camrose this fall with my cattle and household goods. I got a poor crop here this year, and my brother-in-law, Axel Nordstrom, in Camrose, wants me to come there. He formerly lived in Wilton, North Dakota. I am going to buy or take a homestead when I get there, but I do not want to travel two times there, for I take my brother-in-law's word about the country, and want to get your low rate.

Yours truly, PETER A. NELSON.

Wants to Return to Canada

Vesta, Minn., July 24, 1910.

I went to Canada nine years ago and took up a quarter section of railroad land and a homestead, but my boys have never taken up any land yet. I still hold the railroad land. I had to come back to the states on account of my health. Please let me know at once if I can get the cheap rates to Ponoka, Alberta. Yours truly,

GEORGE PASKEWITZ.

They Sent for Their Son

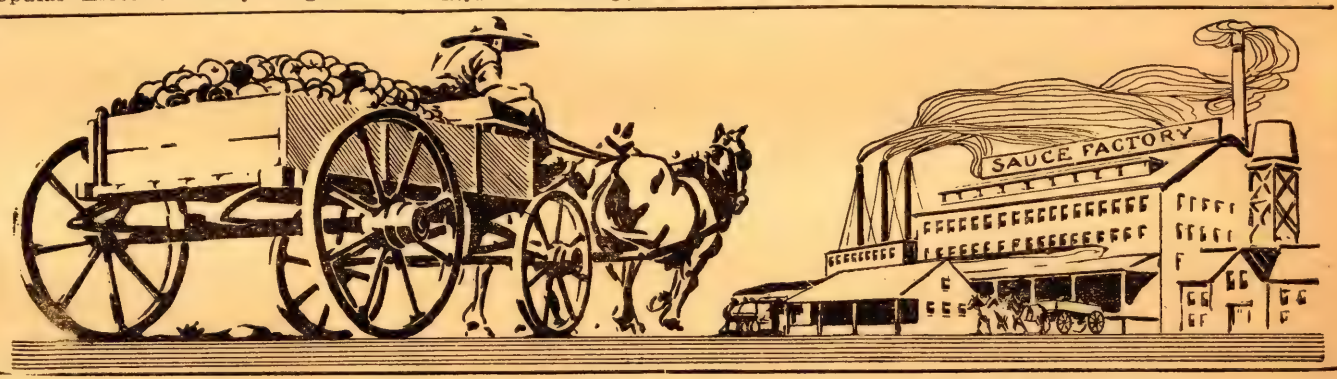
Maidstone, Sask., Canada, August 5, 1910.

My parents came here from Cedar Falls, Iowa, four years ago and were so well pleased with this country they sent to Coeur d'Alene for me. I have taken up a homestead near them, and am perfectly satisfied to stop here. LEONARD DOUGLAS.

Send for literature and ask the local Canadian Government Agents for Excursion Rates, best districts in which to locate, and when to go. Address

W. H. Rogers
3rd Floor Terminal Traction Bldg.
Indianapolis, Ind.

When writing to advertisers don't fail to mention Up-to-Date Farming.



Buy a Farm From Us---We Guarantee to Buy Your Crop

Having made a contract with the Red Snapper Sauce Factory, a $100,000.00 concern to locate on our land, we are now ready to guarantee to all farmers buying farms on our tract, that this factory will take, at a good price, **all peppers, tomatoes and sweet potatoes that they raise.** The factory will furthermore buy large quantities of cucumbers, string beans, cauliflowers and beets. The factory will be located on our tract, and in operation by January 1, 1911. Our farms are located about seven miles north of Pensacola. The L. & N. and P. M. N. & O. Railroads run into this city, offering excellent shipping facilities.

Because the Red Snapper Sauce Factory will need vegetables by Jan. 1st, we **must** have farmers here now. We are going to sell between now and Oct. 31st, these splendid farms at $250 each on very easy terms, viz: $25 cash and $12.50 per month, or 20 per cent cash and balance in one and two years equal payments. Deferred payments bear interest at 8 per cent annum, which is the legal rate in Florida. If all cash is paid, we give a discount of 8 per cent.

Each farm is four and three-quarter acres, fronting on a county road. The agricultural conditions here are ideal. The soil is highly productive. It is a rich reddish loam with a subsoil of gravelly clay that will retain the moisture to a remarkable extent. Irrigation is not necessary and not known in this section. Nowhere in America is there a finer all-the-year 'round climate. No excessive heat in summer. The winters are delightfully mild. In this district is raised Vegetables, Corn, Sugar Cane, Oats, Tobacco, Rye, Barley, Hops and other staple crops. **Some crop can be raised every month in the year.**

On receipt of the first payment, we will give you contract for the deed to the farm which we guarantee high and dry. We furnish, **free,** the services of a government soil specialist who will give expert advice. We will arrange excursions at special railroad rates, from any point of the United States, for parties of twenty or more. Others can take advantage of special rates northern railroads are making twice each month, to Florida. **We will allow the full amount of the railroad fares to all buyers.**

If you wish, you can write to any business firm or bank in Pensacola, to convince yourself that we are an absolutely reliable concern and as good as gold.

Fill in and send us the coupon, enclosing first payment, viz: $25 per farm. You have the privilege of buying more than one farm. Remember that the prices we quote are for farms sold by or before October 31st. One farm is exactly as good as another, but if you like another location better, you can exchange it for any other unsold farm in the tract, within 90 days.

We will donate sites for schools and churches on this tract. Good schools and churches already in vicinity. You'll like your farm here, and you will like the delightful climate. Free booklet and any other information cheerfully furnished. Don't delay—but reserve YOUR farm by filling in and sending the coupon now.

THE PENSACOLA FARM LANDS CO., Pensacola, Fla.

Gentlemen:—I hereby make application for.....farms in your Farm Tract in Escambia county, at $250 per farm, and enclose $..... as first payment according to terms specified in this ad. You to furnish deed contract.

I hereby appoint you as my agent to select this tract of land for me, but I am to have the privilege, at any time within 90 days from date, of exchanging the tract for any other of the same value remaining unsold, provided, upon inspection, I find another which suits me beter.

I want the land for (**state purpose**).....

Name .....

Address .....

Date .....

Up-to-Date Farming.

Remember that the prices of these farms positively advance on November 1st.

FARM FENCE

13¾ cts. a rod

For a 20-inch or 15 cts. for 26 in. Hog Fence; 28 cts. for 50-inch poultry fence. Sold direct to the farmer on 30 DAYS FREE TRIAL. Special barb wire, 80-rod spool, $1.55. Catalog free.

INTERLOCKING FENCE CO.
BOX 45 MORTON, ILLINOIS.

ORNAMENTAL FENCE

Cheaper and more durable than wood. For Lawns, Churches, Cemeteries, Public Grounds. Also Farm and Poultry Fence. Catalogue free. Write for Special Offer.
THE WARD FENCE CO. BOX 436, DECATUR, IND.

14¾ Cents a Rod

For 22-in. Hog Fence; 15 3-4c for 26-inch; 18 3-4c for 31-inch; 22c for 34-inch; 25c for a 47-inch Farm Fence. 50-inch Poultry Fence 33c. Sold on 30 days trial. 80 rod spool Ideal Barb Wire $1.55 Catalogue free.

KITSELMAN BROS.,
Box 289 MUNCIE, IND.

FENCE *Strongest Made*

Made of High Carbon Double Strength Coiled Wire. Heavily Galvanized to prevent rust. Have no agents. Sell at factory prices on 30 days' free trial. We pay all freight. 37 heights of farm and poultry fence. Catalog Free.

COILED SPRING FENCE CO.
Box 88 Winchester, Indiana.

48 IN. FENCE a rod 25c

Best high carbon coiled steel wire. Easy to stretch over hills and hollows. FREE Catalog—fences, tools. Buy from factory at wholesale prices. Write today to Box 71

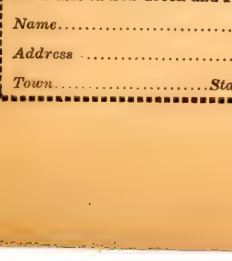
MASON FENCE CO., LEESBURG, O.

White Plymouth Rocks
CORRECT TYPE
Indian Runner Ducks

Booking orders now for Duck Eggs to be delivered next spring. Send in your orders.

J. B. HOWE, Judge, Box M, Fortville, Indiana

THE CLIPPER



will cut tall grass, short grass and weeds, and do all the trimming along the fence, walks and drives. If your dealers do not keep them, let us know, and we will send circulars and prices.

Clipper Lawn Mower Co., Dixon, Illinois

10 POST CARDS FREE

We will send you 10 of the prettiest post cards you ever saw if you will cut this advertisement out and send it to us with 4c to pay postage and mailing and say that you will show our post cards to your friends and explain our offer to them. D-223, NEW IDEAS CARD CO., 233 So 5th St., Phila., Pa.

Roosevelt Says:



"Settle questions right, for no question is settled until it is settled right"

The first cost of a slate roof is only a trifle more than iron, tin or shingles—more than tar composition.

But, shingles burn, rot and fall off. And iron and tin require painting and eventually rust and leak.

While tar composition roofing is admittedly nothing more or less than flimsy temporary protection, requiring constant repairs. But SLATE never wears out—gives you positive roof protection forever—without repairs—without renewal—without paint—without a penny of expense.

Sea Green and Purple
Roofing Slate

is therefore the cheapest and best roofing material obtainable, for it settles your roofing question right. It is a natural roofing that the ingenuity of man can never equal. It is permanent—as strong as the rock from which it is quarried. Homes, barns, granaries, churches, schools, factories—for all buildings, new or old, it is the logical and only roofing material.

Tell us where to send this booklet, "Roofs." Sixteen pages of practical and helpful hints that will save you money in the selection of your new roofing.

The American Sea Green Slate Co.,
(Roofs That Never Wear Out)
155 Clark St., Granville, N. Y.

Sign and Mail This Coupon Today

The American Sea Green Slate Co., 155 Clark St., Granville, N. Y.
Send me the book "Roofs" and name of the nearest dealer in Sea Green and Purple Roofing Slate.

Name.....
Address.....
Town.....*State*.....



CROPS FOR THE POULTRY

THERE is no doubt that profitable crops may be grown for the poultry, and the house and runs should be laid out with a view to these crops, for they should grow near the poultry grounds .

The first is a patch or a small field of winter wheat or rye, to be sown early enough to make considerable growth before freezing weather. This will furnish the fowls an essential element of feed during all the open weather of the winter. We do not mean that it will furnish them all the feed they will need. They must have grain and perhaps some grit; but the green stuff suplies an important need, and will be abundantly paid for in increased egg production.

In the spring it will outgrow the fowls, and mature at least some grain, whether wheat or rye. The lot will continue to be a haunt for the chickens, and it will be a faithful place in which to gather grasshoppers, beetles and other insects; and as the grain reaches maturity they will industriously harvest it with the very best results.

In the absence of this fall sown crop, a crop of oats may be sown in the spring. It will suply much the same need, except that it does not meet the great winter need. The farm poultryman who wishes to avail himself fuly of these advantages, will provide room for both of these crops, and he will see that his fowls have access to them. The plan once adopted will never be discarded, provided an account is kept of the returns from the poultry.

KEEPING THE ROOSTERS

ON many farms the young roosters are kept too long. It is a burden upon the poultry business and does not add to the profits. Roosters seldom bring more than when they are first ready for market, and their removal is a relief to the flock, and admits of better treatment of what remains.

Many keep too many roosters for next spring. It is well to insure against a possible shortage, but it is well also to secure at least a portion of the roosters for the spring mating from other flocks. We are speaking of ordinary farm poultry raising. We never like to see a burden of roosters carried through the winter.

EGGS FROM CHINA

THE papers tell us that recently 116 barrels of eggs were received in Victoria, B. C., that had been shipped from Shanghai, China. At first thought, it would seem that the importation of eggs from China is impractical, but we see no reason why an egg brought across the ocean should be any less fresh than one kept six months in American pickle or cold storage. Those eggs are said to have cost five cents a dozen in China, where there more domestic fowls than anywhere else in the world, but where there are no progressive methods in caring for them. Ocean freights are cheap. Since America fails to supply the demand it need not surprise any one if Chinese eggs become a regular import.

START SOMETHING

There can be no continuance without a beginning. There can be no completion with a continuance. The only man who DOES anything is the man who BEGINS something.

Don't wait for someone else to give you a push. Don't be an echo to the other man's hurrah. Don't be a shadow of the other fellow's work.

Lay the corner stone of your own initiative. Get busy. Begin. Commence. Just START.—System.

DON'T NEGLECT THE AIR

WE have known whole broods of chicks smothered in a night. A neighbor lost 21 half grown chicks by leaving them in a close coop during a stormy night, and similar acidents are of frequent occurrence.

The close coop is not the only thing to be dreaded. The house itself must have good ventilation. Fowls cannot live without air, and they cannot be healthy without pure air.

DISEASES OF POULTRY

IT is well to study poultry diseases, but not many of them can be successfully or profitably treated. The best thing is prevention. Keep the flock healthy. This may usually be done by keeping the houses and runs clean and in a sanitary condition. Use plenty of lime. Keep it on the walls and perches in the form of whitewash, and freely scattered in the litter on the floor and about the grounds. Do not take any risk as to grit; be sure it is where the fowls can get it. Know that the fowls have constant access to clean water; that they have ventilation to insure them fresh air, but that they are free from drafts on cold nights. These are little things, perhaps, but they go a long way toward keeping the flock healthy, and in poultry especially prevention is better than cures.

KITCHEN SET FREE

(22 INCHES LONG)



Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort. Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

COUPON

D. W. BEACH, BOX 502
Spencer, Indiana.

Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

Name.....
P. O.....
St. or R. F. D..... State.....

20 Beautiful Post Cards 10c

No Two Alike — Latest Designs

Lovely assortment of 20 Artistic Birthday, Friendship, Good Luck, Roses and Flowers in exquisite colors, all for only 10cts. if you answer this ad immediately.

J. H. Seymour, 234 W. Eighth St., Topeka, Kan

Amatite ROOFING



Buy It—and You'll Never Need Roof Paint

When a man is under the necessity of using a lot of roofing, he is pretty sure to study the subject with great care.

This is why Amatite is so often used on the big ready roofing contracts.

A man who has only a few hundred feet of roof will often be careless in his choice of roofing, but when it comes to thousands of square feet, (as above) Amatite is sure to be used.

The following is a typical instance:

Waterbury, Conn.,
Barrett Manufacturing Company.
Dear Sirs—We wish to inform you that the "Amatite" Roofing which we have used on our office, store house, lumber shed and barn has given most satisfactory service.

The area that these roofs cover is about 15,000 square feet. The roofing is unusually attractive in appearance, and in our judgment is the most durable and satisfactory made. The fact that it requires no painting appeals to us very strongly, and this feature makes it by far the cheapest ready roofing on the market.

CITY LUMBER & COAL COMPANY,
(Signed) F. B. Boardman, Treasurer.

The economy of Amatite is not only in its durability and its price (lower than any other mineral surfaced ready roofing on the market), but also in the fact that **it requires no painting.**

You may be sure it would cost something to paint their big roofs if they used a roofing that needed painting. All that is saved with Amatite.

A sample of Amatite will be sent you for inspection free if you will send name to the nearest Barrett office at once.

BARRETT MANUFACTURING COMPANY

New York, Chicago, Boston, Philadelphia, St. Louis, Cleveland, Cincinnati, Minneapolis, Pittsburg New Orleans, Kansas City.

TRADE B MARK

FLORIDA'S

SUREST CROPS

FLORIDA'S SUREST CROP DISTRICT

Both Fully Described in Our Big Illustrated Book

"A HOME IN TOWN AND A FARM IN THE COUNTRY"

Send for the BOOK. IT IS FREE and tells all about the RICHEST and most productive SOIL in the great State of FLORIDA. It tells where these marvelous money-making crops are actually produced—tells how you can buy and own a farm in Florida's "Surest Crop District," at the low cost price of $25 an acre—how you can make big money and be a neighbor of the man who is growing these money-making crops NOW. This BOOK tells you of the advantages of living near FLORIDA'S largest city, Jacksonville, where Northern people do not suffer from the semi-tropical heat of central and southern Florida, and it tells you of the development of a thousand farms, where one hundred houses were built in one hundred days, and where telephones, telegraph, good schools, churches and a social system of high-class Northern people are already established.

The North Florida Fruit and Truck Farms

at HILLIARD, on the double-track main line of the Atlantic Coast Line Railway, thirty miles northwest of Jacksonville, is "FLORIDA'S SUREST CROP DISTRICT," where you can buy land at $1 an acre monthly payments, and make $3,000 to $5,000 a year on ten acres.

Round-Trip Railroad Fare Paid by Us if you buy 40 Acres

at the Profit-sharing, Bed-rock Price of $25 an Acre



Surest Pecan Land

A Pecan Grove of five acres nets $2,500 yearly. No work—no—worry—no loss of crop and little cost of up-keep.

We Sell Pecan Groves

In five or ten acre tracts, planted to standard named varieties, height 5 to 7 feet, all trees guaranteed for two years, three years old, from the budded stock.

Railroad Man Says

Louisville & Nashville Railroad.
Paris, Tenn., May 26, 1910.

The Cornwall Farm Land Co., Chicago, Ill.:

Gentlemen:,—With this letter I am sending you the last payment on Farm 59 and 60.

I notice in last Sunday's issue of the Jacksonville *Times-Union* that your company has agreed to furnish free the brick for a two-story school house; also the site and hauling of brick to be given free.

This certainly speaks well for your company, as it goes to show that you are interested in the welfare of the people of your colony. All my dealings with your company have been in a pleasant, businesslike manner, and I can cheerfully recommend your company to any one who wishes to buy Florida land. There are so many fake land companies dealing in Florida land that many people hesitate to buy, as they are afraid things are not as represented; but any one need not hesitate to buy of you, as I have been a very careful observer and I have yet to find anything that was not as represented. With best wishes, I am,

Yours truly, C. F. KAESTLE.

Farmer Owns 1,000 Acres Canadian Land

Mr. F. W. Cornwall, President, Chicago, Ill.:

Dear Sir,—I wish to thank you for the very courteous manner that I was entertained when in the city two weeks ago and to say that I appreciated it very much. I found affairs in Florida about as I expected. I liked the climate at Hilliard better than farther south. The crops that are growing there looked well, and seemed to have a good, thrifty growth.

Your manager gave me every opportunity to see and learn about the country—in fact, I was treated like a prince during my stay there. It is my impression that one can make a handsome income from the soil there; the cost of living is not nearly so great as here in the North.

All the people that I met that are going to Hilliard to settle were nice, social men, and all seemed pleased with the country. I shall try to get down there soon, and will then make some improvements on the farms. I made arrangements to have part of it cleared this summer.

Please send me a little literature. I will make an effort to sell some farms to some of my friends here. Wishing you success, I am,

Very respectfully, G. B. FRANKLIN.
Address Hilliard, Fla.

Surest Fruit and Truck Land

We know there is no land in Florida as well located from the standpoint of transportation, healthfulness, pure water and favorable climatic conditions, both summer and winter, as the North Florida Fruit and Truck Farms.

Our proposition to pay your railroad fare is good during September and October. We will arrange so you and your friends each can secure ten to forty acres of this land in the heart of the North Florida Fruit and Truck Farm District, at $1 per acre a month, and besides we will give you a building lot 25x125 feet absolutely free in the town of Hilliard, adjoining these farms. Many fruit and truck farms in the Jacksonville suburban district net $250 to $600 per acre every year.

This is the Kind You Buy at $10 per Month

Do you know that the great Atlantic coast cities and cities as far west as Omaha depend absolutely on the Florida Fruit and Truck Farms for early February, March and April strawberries, celery, Irish potatoes, cabbage, lettuce and radishes? With one of these farms you have an income that can be depended on year after year, and you can get it if you save just $10 a month—34 cents a day.

No Interest and No Taxes

Till payments are completed. You don't have to pioneer—these Fruit and Truck Farms are in the heart of cultivation—near Jacksonville, close to Atlantic Coast Line Railway, which has a twenty-car switch track at Hilliard.

What Ten Acres Means to You

FIRST—A money-making investment and a home in the finest all-year-'round climate in the world. Northern Florida is warm in winter and there are no extremes of heat in summer.

SECOND—You can make a good living, eat June vegetables and fruits in January and sell your crops for cash, and earn from $3,000 to $5,000 each year.

THIRD—These North Florida Fruit and Truck Farms are all upland, no swamps, rich sand loam, and will grow the finest fruits and vegetables surer, better and more to the acre than any other section of the South. Every acre in every ten-acre farm is tillable land.

FOURTH—You don't have to know farming to make one of these ten-acre farms pay you big money.

FIFTH—You can hold it as an investment and sell at 100 per cent advance by the end of the first year. Many have already resold at 300 to 500 per cent profit.

Here Is What Our Company Offers You

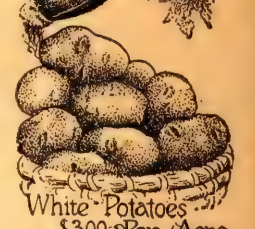
We will have delivered to you immediately upon receipt of your application for on or more of these ten-acre North Florida Fruit and Truck Farms a certificate of purchase which is issued by the Chicago Title and Trust Company, capital, $5,000,000. The title to the entire tract is held in trust, one of the strongest, safest and the best guarantee title and trust companies in the United States.

You owe it to yourself to take the advantage of this opportunity, and if you can get away now don't fail to take advantage of our free round-trip railroad refund on forty acres.





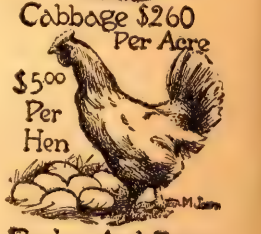


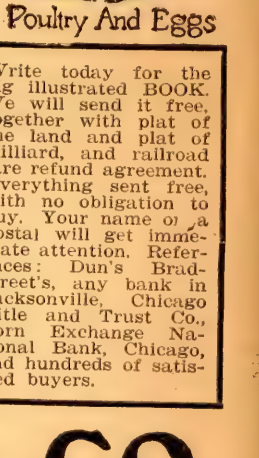












Write today for the big illustrated BOOK. We will send it free, together with plat of the land and plat of Hilliard, and railroad fare refund agreement. Everything sent free, with no obligation to buy. Your name on a postal will get immediate attention. References: Dun's Bradstreet's, any bank in Jacksonville, Chicago Title and Trust Co., Corn Exchange National Bank, Chicago, and hundreds of satisfied buyers.

CORNWALL FARM LAND CO.

1525 National Bank Bldg., CHICAGO, ILL.

WM. N. BRADY
Secretary.

CORNWALL FARM LAND CO., 1525 First National Bank Bldg., Chicago, Ill.

Gentlemen: Please send me free of all charges your book "A Home in Town and a Farm in the Country;" also plat of Hilliard and The North Florida Fruit and Truck Farms, and railroad fare refund, with no obligation on my part to purchase.

Name .....

Town ..... **State**.....

CONGO
NEVER LEAK ROOFING

Congo 2-ply or 3-ply Roofing will last Ten Years

The 10 years of life is guaranteed by a genuine enforceable Surety Bond issued by the National Surety Company of New York.

The guarantee is such that you get new roofing free of charge if Congo does not give satisfaction.

You needn't be an expert in roofing. You may not know good material when you see it, but you do know what "ten years" means.

Copy of the guarantee, sample and booklet free on request.

United Roofing and Mf'g. Co.
606 West End Trust Bldg., Philadelphia, Pa.

Chicago San Francisco



Congo on Johnson City Ice Plant, Johnson City, Tenn.

I WANT A MAN



of good character in each city and town to act as my
SPECIAL REPRESENTATIVE
No peddling, canvassing or other objectionable work required. Previous experience unnecessary. Duties need not, at first, interfere with your present employment.

E. R. MARDEN, PRES.

I will assist the right man to become independent for life.

If you are making less than $2,400 a year and are trustworthy and sufficiently ambitious to learn and become competent to handle my business in your vicinity, write me at once for full particulars, my bank references, etc.

Address
Edwin R. Marden
139 Marden Building
Washington, D. C.



MY OWN BUILDING—where nearly 200 employees handle the office details of the immense volume of business transacted by my representatives

AGENTS—$45.00 A WEEK
MENDETS
ADRIENT MICH



They mend leaks instantly in granite ware, hot water bags, tin, copper, brass, cooking utensils, etc. No heat, solder, cement or rivet. Anyone can use them. Fit any surface. Perfectly smooth. Wonderful invention. Millions in use. Send for sample pkg., 10c. Complete pkg. assorted sizes, 25c. postpaid. Agents wanted. Write today.

Collette Mfg. Co., Box 183 Amsterdam, N. Y.

AGENTS 134% Profit



Patented Safety Hold-Back
New Agents' Proposition. Every owner of a vehicle buys. Saves time in hitching and unhitching. Insures safety in accidents—runaways—collisions. Just out. Thousands being sold. We absolutely control the sale of this wonderful seller. $3.50 to $7 a day profit.
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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

THE "WHY" OF THIS DEPARTMENT.

This paper stands for controlled marketing in the first instance; of products of the first quality in the second instance, and it is to advocate, and teach, the production of these, IN ORDER TO GET THE BEST PRICES, that this DEPARTMENT exists. The DEPARTMENT EXISTS ON SUFFERENCE—**your sufference.** If you do not support it, it must fail. Will you give me your united support by sending in your own and neighbor's subscriptions at 25c each for a year. A LIST OF TEN NEW SUBSCRIPTIONS WILL BE APPRECIATED; a smaller list in proportion.

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

LET ME HEAR FROM YOU?

I am recasting the policy of this DEPARTMENT, with a view to the coming year. I want to print those things which will be helpful to my readers. There are many problems connected with the garden and orchard, and it is just as easy to treat of those which have a particular interest for my readers, as not. Now, let me hear from any or all of my readers what you desire to have covered in this DEPARTMENT during the year 1911, and **as far as possible** I will give them to you PROVIDED they are of general interest. Problems of interest only to an individual will be answered by mail. A letter, or even a post-card may give me the suggestion that will interest a hundred thousand persons. WILL YOU WRITE TO ME?

Breeding Apples For Quality.

I cut the following clipping from a daily paper. There is nothing new about it but read it:

Spokane, Wash., Sept. 17.

Growing thoroughbred apple trees, to be registered the same as live stock with pedigrees, is an innovation in eastern Washington. H. M. Lichty, an orchardist, has invented a system.

Mr. Lichty said that in every thoroughly cultivated apple orchard there are trees which yield most of the prize winners at national and state shows. Scions are taken from these and transferred to other trees by budding and grafting thus raising the quality. The trees are recorded upon an orchard plat, then registered, and a pedigree is issued to the grower.

Professor W. S. Thornber, head of the horticultural department at the State of Washington College, and growers in eastern Washington and elsewhere, approve the Lichty plan. The former said there is just as much difference in apple trees of the same variety as there is in horses of the same breed. The plan of registering trees and keeping a record of yielding performances is also indorsed.

The trouble with such things is that they are put out without proper consideration and study. Had Mr. Lichty studied his Darwin, especially the work on "Bud Variation" he would know that his proposed method of apple breeding, by taking the tree as a unit, is impracticable. Everyone, even the boy and girl on the farm, knows that the fruit on a tree is not uniform. That every tree no matter how fi ne the culture, produces apples which are almost as wide apart in quality as the poles.

The unit of quality is not the tree, but the individual bud, or blossom spur, or twig, to use the various names which have been used to designate the portion of the limb upon which the fruit is borne. That the fruit produced upon any one fruit spur is the same in succeeding years has never been proven to the satisfaction of the experts, but the variation if any, is slight.

So you can see what is likely to happen to Mr. Lichty and his plan of propagating prize-winners, taking the whole tree as a unit. If no record is kept of the individual fruit spurs as to their bearing performances—and just think what such a record would mean—he is as likely to take grafts from the poorest spurs as not—those which have begun to deteriorate by the law of "Atavism," and in one generation he will have apples of no value for any purpose.

However, if he selects for grafts those twigs which give the choicest fruit, the resulting crop therefrom, when the graft has grown into a tree and borne fruit, should be a large number of fine apples, but there will be no absolute uniformity, as each selection from this or, even for a hundred generations of graftings, will always show some fruit to be inferior to others.

But, there should, by this system, be more good than bad, fruit, and eventually, by selection, there should be evolved a tree which will produce fruit so good that the worst will be better than the best is now. That is all for which we may hope by this process of selection, as it is against the Darwinian law, as modified by his pupil and successor, Alfred Russell Wallace.

Darwin's law was :"**The survival of the fittest.**" Wallace changed it to: "**The survival of the unlike,**" and it is a better exposition of the doctrine of selection, upward. As applied to apples (and any other deciduous fruit) it must work along the line of the individual. With a tree such as the apple, the individual is the bud or twig from which the blossom, and later the apple comes. It bears the same relation to the tree as does the egg to the hen.

It would be as useless to expect all the eggs from one hen to produce chickens exactly alike as to expect all the twigs on a tree to produce apples alike. The unit of sex in a tree is the bud—a tree being poly-sexual.

Having considered the subject thus far, we come to the conclusion that the registering, merely, of trees will be worthless in the effort to produce pedigree apples, as the result will be some bad trees and some good ones. If pedigree apples ever are to come into vogue they must be from registered buds — buds which produced the choicest apples, on each tree, in each generation.

Persons who are familiar with the working of the law of evolution know that it works both ways—up and down. It is possible to start with the same tree and by selecting up from the best apple-producing bud, arrive at a perfect apple; also, it is possible by selecting the lowest type of apple to select it down to the original "choke-apple" from which it came. Selection means breeding to improve, or deteriorate, a type, and the process is the same up and down.

I have gone into this question so exhaustively because there are "signs in the air" that we are to be flooded shortly with offers of pedigree apple trees at enormous prices, and I want my readers to be warned, and advised so that they will look carefully into any proposition to furnish them guaranteed pedigree apple trees. Selection will improve the apple, of course, but you must be sure that the graft is from a bud which has borne perfect fruit, at least. If the grafts are cut from a so-called pedigree apple tree, indiscriminately, **some one will get poor fruit.** This is the thing of which to be sure—that your trees will be from perfect fruit grafts.

There is another thing with which Mr. Lichty, and other pedigree apple enthusiasts will have to reckon: **The law of the hybrid.** It has been scientifically proven that the crossing of a fruit successfully so as to produce a hybrid from the resultant seed works a metamorphosis in the bud of the tree—supposedly through the sap, and the possibility of a scion from that bud departing from the type is great. Will they attempt to screen their pedigree apple trees from the bees?

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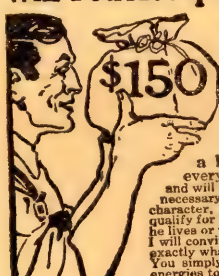
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THE HOME ON THE FARM

THE FARM HOME AND ITS PRODUCTS

IT is admitted that without the products of the farm the world of humanity would perish, or, at least, drift back into the savage state, getting their food as wild animals get theirs, and depending largely upon nature for their clothing. This conceded result of the farmers' toil makes that calling greater than all others. But how about the products of the farm home? The farmer may work early, and late, and faithfully; but the wife and mother in the home may do even a greater work.

The children that are growing up in the farm home are more important products than can grow in the most fertile fields, and she whose business it is to direct and shape those strangely developing lives, is doing a greater work, if she does it well, than is he who follows plow or cultivator, or guides the team to its most valuable service.

We would not minimize the importance or inherent greatness of the children that grow up in village, town and city, for molders of opinion and leaders of progress have come from city homes. Indeed it is thought that the centers of education, refinement and intellectual greatness are there; but true greatness, real worth, unassuming merit, the progress that uplifts, the virtue that stays, the advancement that moves forward and takes in all humanity, Nature strewed along her own pathway in the pleasant walks of rural life, and the boy and girl of the farm, the aspiring, ambitious boy and girl, find them. There may be drones in the farm home. There may be parents who never caught the inspiration of greatness, and whose children breathe the same dull atmosphere; but in every walk of life on every road that leads upward and to better things, the guiding lights, the greatest men and women, look back to the old home on the farm. And if that product of the farm home were snatched from the world's people today, there would be a drop in human greatness, a loss to human achievement, that would astound the prophets and startle philosophy.

All hail the product of the home on the farm. Weave a crown of laurel for the unassuming queen of that home. Honor the man who smites the forest, tames the wild, and brings life from the dead earth, but more than honor the quiet woman that has in her keeping the future greatness of the nation, and devotes both waking and sleeping moments to its development. She does a greater work than falls to the lot of man. Heaven direct that it be done wisely and well.

THINGS IN THEIR PLACES

No matter how humble the home and its surroundings, every one who has a home should be proud of it. A vast majority of intelligent people, rich or poor, are proud of their home, and are continually seeking some means of making it worthy of still greater pride in it. The first purpose should be to make it more comfortable; then to make it more beautiful. A few are prompted to a spirit of rivalry to make it surpass the homes of the neighbors to gratify their egotism and give them something to boast of. In cases where that alone is the object, it is not a commendable ambition, and fortunately only a few are animated by it. It is not for these that we commenced to write this article.

But there are hundreds of good people who have an honest and laudable pride in their homes, and are all the time trying to devise ways to make it brighter and better, but who have a single habit that mars their best efforts. It is the habit of leaving things out of place. No home can be neat and attractive with things in a tumbled condition. It is so easy to drop anything where it is used and leave it there until wanted again, that people who would resent being called careless or untidy, drift into it, and thereby mad the beauty and attractiveness of their homes. Sometimes the habit is cultivated in childhood and youth, and then it is hard to break off from it.

A Paragraph on this subject may well be given to the workers in the fields. There are farmers who seldom know where a tool or implement is. Wherever the things are used they are left, and there they remain until a vexatious and time wasting search finds them when again needed for use. Only yesterday the writer found, hidden in weeds in an out of the way place, a valuable rolling cutter that had been dropped there by a hired hand some years before.

Everything in its place means so much, and yet it costs so little. The home where it is practiced is always the neatest, and the farm where it is the rule is the most up-to-date.

PASSING BEAUTY.

Now the goldenrod is waiving,
In the fields across the way,
And the bittersweet and wahoo,
Make the wayside branches gay;
Footsteps of the year in passing,
Do you note them as you go,
Here and there the wax-like berries,
With their pink and crimson show?
Footsteps, footsteps, can you find them,
O're the meadow and the lea,
Are the dainty blossoms growing,
Blooming there for you and me;
Nature's splendor, crown of Harvest,
Fill the days with passing cheer,
Makes its changes, in the forest,
Find the footsteps of the year.
They have passed, in steady measure,
Hath the summer moments gone,
And from out the northern hilltops,
Is the winter coming on;
And methinks a thread of silver,
And a thought, perhaps a tear,
May for us make life the better,
In the footsteps of the year.

—Nellie Fiske Hackett.

From Oven Door to Farm House Door

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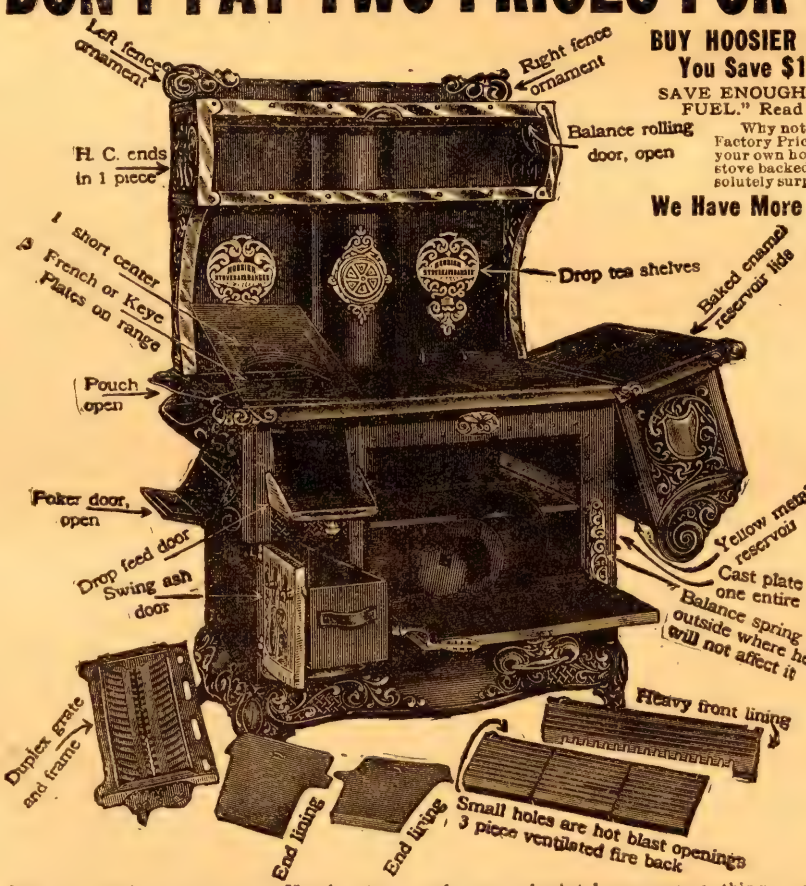
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The finest line ever sent out. (No two alike). Floral Mottoes, Friendship, Birthdays, Pretty Girls, Love Letters, Love Scenes, Escort, Acquaintance, Hidden Name and other new cards; also our Big Illustrated Oo'alers and Premium List, all for **10 Cents.**
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Just out. Excruciatingly funny and snappy, also illustrated catalog. Chgo. Mdse. Agency, 1323 Mich. Ave., Chicago.

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MAGIC NEEDLES RODS, Goldometers, Chronometers, etc., for treasure seekers. Millions of wealth under your feet. Guaranteed the best made. Interesting booklet for 2ct. stamp. **FREE**
F. & M. AGENCY, 119 Elk St., PALMYRA, PA.



Spanish Needles, Rods, Goldometers for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.
Miners Supply Co. Dept 2 Palmyra, Pa

$100 Monthly and expenses to trustworthy men and women to travel and distribute samples; big manufacturer. Steady work. S. Scheffer, Treas. A B 213, Chicago, Ill.

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a Cadet of Equity. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

That Pioneer boom! What have you done to help the boom? How many Cadets, or friends of the Cadets, (friends of Equity) have sent in 25 cents for one subscription to Up-to-Date Farming, and thus become a Pioneer of Equity—a First Worker for Equity? This is the special boom proposition, and it will last until Christmas. Now "Let 'er boom." What is a boom worth unless it booms? We leave it to you, and take up the Cadet letters:

DEAR CADETS: I have been taking Up-to-Date Farming about six months, and I could not do without it now. And the dear Cadets. You do write such good letters, that I so much enjoy reading. I have been picking cotten. I wish you all were here to help me. I live on a farm, but I don't like farming much. Yet farming is the happiest life of all. Well, I am a Texas boy, 19 years of age, have black hair, blue eyes, fair skin, am 5 feet 6 inches tall, and weigh 133 pounds. I have a horse and buggy, but will get a new twin seat Anchor buggy this fall. Will answer all who send me a card.—Jesse Fultz, Sulphur Springs, Texas.

DEAR CADETS: I am 14 years old, am 4 feet 3 inches tall, and have brown hair and blue eyes. I have been reading Up-to-Date Farming for some time, and I like it very much. I have become greatly interested in the Cadet letters, and I write so as to become a Cadet myself. I live on a farm of 140 acres, and we raise corn, oats and barley. The crops out here look fine. We have four working horses, three colts and eight cows. I would like to correspond with any of the Cadets.—Hilda Carsteusen, Round Lake, Minn.

DEAR CADETS: I am 19 years old. I live on a farm. I have been taking Up-to-Date Farming for a short time, and I like it fine, especially the Cadet page. I like farming. My school will begin soon, and I think I will go to school all winter. I would like to exchange postals with any of the Cadets, especially with Grace Payne of Formosa, Kansas.—Luther Snider, Rock, W. Va.

DEAR CADETS: I have been taking Up-to-Date Farming almost a year. I think it is a fine paper. I am 16 years old, have light, curley hair, and blue eyes. I am 5 feet 5 inches high and weigh 122 pounds. I lived on a farm ten years, and then we moved to the city. I like the country better than the city. We raise all kinds of fruit and vegetables and grain. I have two sisters and one brother who also read the Cadet letters. Would like to exchange cards.—Mary Unferferth, Evansville, Ind., R. F. D. 11.

DEAR CADETS: I am a girl 18 years old, and I live on a farm of 160 acres. I like farm life to the limit, and have always lived on a farm, hence I know nothing about city life. I have three sisters and one brother. One of my sisters is married, and lives at Greenfield, Iowa. We live two and one-half miles from our nearest town. We have a piano and organ, and two of my sisters play. We raise corn, wheat, oats, barley, rye, and all kinds of vegetables. We milk 9 cows, and have a separator. My birthday is the 16th of November, and I would like very much to have a postal card shower. My brother subscribes for Up-to-Date, and we think it is O. K.—Sophia Bergman, Sutton, Nebr.

DEAR CADETS: I am a Tennessee boy 15 years old. have blue eyes, and weigh 105 pounds. I live in the city of Elizabethtown, and I think it is a nice place. I take Up-to-Date Farming, and I think it is a fine paper. I would like to exchange cards with all the Cadets.—Dayton Nance, Elizabethtown, Tenn.

DEAR CADETS: I enjoy the letters very much, and think Up-to-Date Farming a very nice paper, as there is so much in it that is helpful. I live on a farm, and in many ways prefer the country, as one may lead such a free life there; and we have so many fruits and berries; but this season the late frosts and dry weather cut down the supply. We have heavy timber here in places. I will be 12 years old the 22nd of January, and would be very much pleased to have a post card shower. I would like to correspond with Nellie Tipton. —Sarah E. Welch, Verndale, Minn.

DEAR CADETS: I am a girl 14 years old, and have dark hair and eyes. I live in the country, and like it better than the city. My father takes Up-to-Date Farming, and I like it fine. I like to read the Cadet letters. It has been so dry most of the time in this part of the country that the crops are not very good. We are having a nice rain now, September 5. I would like to exchange cards with any of the Cadets.—Evalyn July, Amboy, Ill.

DEAR CADETS: Here is a Hoosier boy of 17 becoming a Cadet. I live on a farm of 112 acres in Washington county, 4 miles north of Salem, the county seat. We raise corn, wheat, oats, hay, rye, berries, fruits and vegetables. I love to read the Cadet letters in Up-to-Date Farming, and I want to exchange post cards with each and all of the Cadets.—Russell A. Nicholson, Salem, Ind.

DEAR CADETS: I am a farmer's daughter, and will be 13 years old the 22nd of October. My father got me a phonograph, and I have 21 records. I would like to exchange cards with the Cadets, and will try to answer all I receive.—Tressa Bosley, Harrisville, Mich.

DEAR CADETS: I am a Missouri girl almost 15 years old, have dark brown curly hair and brown eyes. I live on a farm of 232 acres, three miles south of LaBelle. I have no sister. Of my brothers, Roy is married, and lives in Macomb, Ill. James attends the Gem City Business College at Quincy, Ill.; Claud and Ralph go to high school in LaBelle. I go to the country school, and am in the 8th grade. My brother Austin plays the violin. I like music very much, but I do not play any. I go to Sunday School when it is so I can. I would like to exchange cards with some of the Cadets.—Lydia Rodgers, LaBelle, Mo.

DEAR CADETS: My father is a gardener, and we live about 2 1-2 miles from Toledo. This is our first year without hired help, and we children all join hands to help papa, and we like it much better. The market prices were fairly good this summer, and as we raise all kinds of vegetables of good quality, papa is well satisfied with the returns. Papa approves of your Motto, Object and Plan. We have read Up-to-Date for nearly a year, and we oll like it. I walk about three miles to school, and I like my teacher, Miss Mary Burnard. I will be 14 January 4.—Ethelyn Gedert, Station E, Box 134, Toledo, Ohio.

DEAR CADETS: I am a Missouri girl. We have 12 horses and 4 milch cows and 2 calves; also about 200 chickens and one mule. I will be nine years old the first day of December, and I go to school. We raise corn, wheat, oats and clover.—Edith Shaffer, Kingston, Mo.

DEAR CADETS: I am a boy of the old State of Vermont, 16 years old, and weigh 130 pounds. We moved to Vermont from New York three years ago, and I live on a farm of 175 acres. We keep 10 cows, 3 horses, 15 pigs, and 50 hens. We have band concerts every Friday night, and moving pictures every night. We raise quite a lot of fruit. We take Up-to-Date and think it is a very fine paper. Say, girls, how do you like to go to parties? I like them first rate.—Eddie Farmer, Waterbury, Vt.

DEAR CADETS: I have taken Up-to-Date for two years, and I think it is a grand paper. I enjoy reading the letters so much. I live in the grand old State of Indiana, one of the best States in the Union, and I am proud of it. We can raise plenty of everything. We have good crops this year in spite of the long drouth. Fruit is the worst, but I guess there is enough to do us. Corn news looked better. Hogs are a short crop, but there are perhaps enough to supply the home market. I wish to thank Mr. Everitt for the great good his paper is doing. It brings both young and older people closer together than any other farm paper printed. I would like to exchange post cards, and would like to hear from Lillie May Caldwell of Florida.—Thomas Brant, Muncie, Ind.

DEAR CADETS: I live on an 81 acre farm near Snoqualine Falls, Washington. These are the highest falls in the United States. I take Up-to-Date Farming, and like it fine. I am nearly 15 years old, a little over 5 feet high, and weigh 110 pounds. I have a cow and horse of my own. My father has 2 cows, 3 horses, and a baby colt. I have a gun and go hunting. I would like to hear from some of the girls and boys.—Charles Williams, Snoqualine, Wash.

Now, Cadets, we have again reached the limit of our space. Let all push the Pioneer boom.

Gold Spectacles Free
ROLLED GOLD BRIDGE — ABSOLUTELY OF CHARGE

Don't Send Me One Cent
when you answer this announcement, as I am going to distribute at least one-hundred-thousand sets of the Dr. Haux wonderful "Perfect Vision" Spectacles to genuine, bona-fide spectacle-wearers in the next few weeks—on one easy, simple condition.

I want you to thoroughly try them on your own eyes, no matter how weak they may be; read the finest print, thread the smallest eyed needle and put them to any test you like in your own home in any way you please.

Then after you have become absolutely and positively convinced that they are really and truly the softest, clearest and best-fitting glasses you have ever had on your eyes, you can keep the ROLLED GOLD pair forever without one cent of cost, and

Just Do Me A Good Turn
by showing them around to your neighbors and friends, and speak a good word for them everywhere at every opportunity. If you want to do me this favor write me at once for my free Home Eye Tester and ROLLED GOLD Spectacle offer.

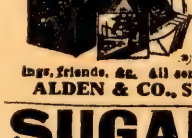
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in each town to ride and exhibit sample 1911 bicycle. *Write for Special Offer.*
Finest Guaranteed 1911 Models **$10 to $27**
with Coaster-Brakes and Puncture-Proof tires.
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We **Ship on Approval** *without a cent deposit, pay the freight* and allow **TEN DAY'S FREE TRIAL.**
TIRES, coaster brake rear wheels, lamps, sundries, *half usual prices.* Do not buy till you get our catalogs and offer. *Write now.*
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SUGAR Fine Gran. **lb. 2½c**
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Cleanses and beautifies the hair. Promotes a luxuriant growth. Never Fails to Restore Gray Hair to its Youthful Color. Cures scalp diseases & hair falling. 50c, and $1.00 at Druggists

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At Your Home. Write today for our booklet. It tells how to learn to play Piano, Organ, Violin, Mandolin, Guitar, Banjo, etc. Beginners or advanced pupils.
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8 Original "?" Cards for 10c
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BOYS and GIRLS



If you want a genuine Shetland Pony and Rig, **write to me today** for my **new** and the **easiest plan** you ever heard of. Don't send any money, just a postal, and **say you want a pony. I will be glad to help you.** Address
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Pony Farm, Box No. 755
Springfield, Ohio

PRIZE CONTEST



FOR MEN AND WOMEN WHO LOVE TO DRAW

This cartoon was drawn by "Zim," the world's most famous cartoonist of "Judge." Can you make a copy of it? Try and see how easy it can be done. Draw this cartoon NOW, with either pen and ink or pencil, making it twice the size shown, and send it to us today, stating your age, occupation and if you have ever won a prize in our Contests.

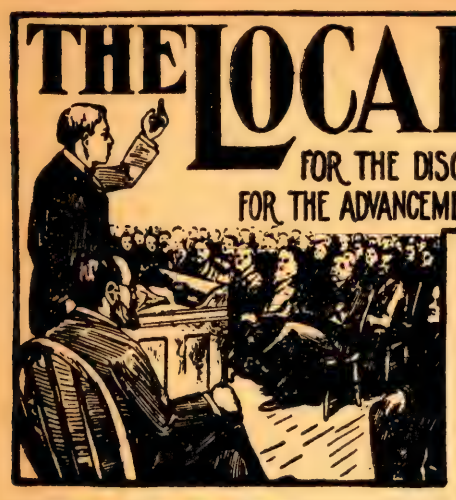
COPY ME AND WIN A PRIZE

Our Board of Art Directors will carefully examine your sketch and if it is 60 per cent. as good as the original you will receive as a prize "The Home Educator" for 3 months. If you do not hear from us in ten days, your drawing was rejected.

IT COSTS YOU NOTHING

"The Home Educator" is a very inspiring magazine for both men and women, it is fully illustrated by world-famous illustrators. There is positively no money consideration connected with this Prize Contest. Neither can you buy or subscribe for this magazine—it is awarded only to prize winners in our Contests. Copy this cartoon NOW and mail it to us this very day.

Correspondence Institute of America, Dept. 47 Scranton, Pa.



Up-to-Date Farming

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING CO. Inc.
Indianapolis, Ind.

J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

SUBSCRIPTIONS

SUBSCRIPTION PRICE. Two Years for 50c.

FOREIGN SUBSCRIPTIONS, **Including Canada.** Two Years for $1.00.

YOUR ADDRESS should always be written very plainly, including *County*. Do not give street or box number when not necessary to facilitate delivery of your mail. If on a rural route use the letters R. R. before the number.

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THE LATEST DATE shown with your address is the date to which your subscription is paid. Please keep your time paid in *advance*.

ADVERTISING

RATES will be quoted on application. Only reliable advertisers are admitted to our columns, and we guarantee that they will deal honestly with subscribers. Should they not, we will make good any loss to paid-in-advance subscribers. It is understood that this guarantee is not binding on the publisher unelss you mention UP-TO-DATE FARMING when you write and you report any dissatisfaction within a month of the date of the paper.

The mission of this paper is to establish an improved system of marketing farm crops. Such a system as will always equitably reward the producers and protect consumers against extortion in price.

—o—

We believe this is the most important problem for the American people to solve. We are devoting all our time, and our great facilities to publish and educate, and our best editorial ability to the accomplishment of this object.

—o—

But it is not all a matter of publishing this paper and sending it to our 140,000 subscribers; nor would it be sufficient if we had a million or more subscribers, as we hope to have in the near future. To change a system or practice, even a bad one, that has been in vogue for generations takes more than a proclamation. It will take force, pressure and power, and until the interested people bring power and pressure to bear there will be no change.

—o—

And to bring force and power to bear there must be a certain amount of co-operation. Therefore, if the system of marketing farm crops is to be changed there must be cooperation among the producers of them—the first owners—the farmers, stockmen, orchardists and gardeners.

—o—

It will take some time to bring about establish the new system and put farmers absolutely in control of their own marketing business and price makers on their own crops. But we may reasonably expect complete success because, even while working up to the necessary degree of cooperation, every producer who enlist in the movement and uses the Equity System of Marketing will reap great benefits, financial benefits. **Through this system farmers will at once exert a greater influence on prices than they ever did before** and through it they can easily sell their produce on the highest market in the country.

—o—

To illustrate: The Equity System of Marketing is established now in sixty-three of the largest markets of the country. That is, the farmers have their own representatives on these markets. Each representative is financially responsible and many are bonded. Each one enjoys a high commercial credit and is qualified for his position from years of practical experience in handling farm produce. Every one of these representatives has entered heartily into our plans to establish a better marketing system.

—o—

The farther any person will go into the matter of marketing the more he will be convinced of the advantages of The Equity System of Marketing even in its incomplete state. For instance, there is hardly a day when there is not a difference of a few cents a bushel on grain; or a fraction of a cent or a cent or more on live stock; or 5 cents to 20 cents a bushel on potatoes; several cents to a dollar or more per bushel or barrel on fruit; a dollar or more per ton on hay; several dollars per bale on cotton and a good many dollars on broom corn, in the different markets of the country.

—o—

These variations make the opportunities for the local buyer and shipper, and the brokers, dealers and speculators in the cities. They have facilities to learn where the best demand is, as expressed by the highest price and they route the stuff to that market. Oftentimes they make a hundred dollars or more per car load and sometimes their profit is as much as they paid the producer.

—o—

These are facts. The Equity System gives to the **producers** of the crops exactly the information that the local or city buyer has had and with the cooperation of our market representatives any producer can ship direct to the best demand, expressed by the highest price and get all the final market will pay. If one person has not enough to make it practical to ship direct let neighbors join together.

—o—

And this suggests the local union of the Farmers Society of Equity, which will be the ultimate result in each community. That means a union at each important shipping station with all the farmers who produce to sell and ship at that station, as members. The secretary will be the business agent for all the members.

—o—

A movement on the part of the farmers for the purpose of systematizing the marketing of their crops is as natural and as necessary as for any other class. Yes, it is more necessary because no other products were ever exploited so much to the injury of our two great classes, the farmers and the wage earners. And it will be easy for farmers to do this **when they adopt the right plans** because their products are absolutely indispensable.

—o—

The Equity System is right. Therefore don't waste any time in beginning to use it. Let each reader of this paper put his shoulders to the wheel, by corresponding with **The Equity System** on the various markets and shipping his produce to the best market and thus help to establish it all over the country and for all the crops.

—o—

Strength through cooperation brings success and success increases the well-being of any people. This is the first opportunity farmers ever had to end the Board of Trade and Produce Exchange System of marketing and substitute The Equity System that will transfer millions of profits made in handling farm products, to the producers thereof, or save it to the buyers. Will they embrace the opportunity?

—o—

We believe they will because it will pay them at once to do so, better than anything else they can do. See the next page and send the coupon for more valuable information and instructions.

NATIONAL UNION MEETING.

THE members of the Ladies Society of Equity will meet in annual convention on Oct. 6 and 7 at Centerville, Michigan. This is the home of the State Organizer, Mrs. M. Culbertson. At this meeting a National Union will be organized and incorporated, and officers elected.

All farm women should feel a deep interest in this movement by the Equity ladies and take an active part. Remember the little band of earnest women that will meet together on Oct. 6th and 7th are working for the best interests of each farm woman. We, who have studied this matter believe that Equity, rightly understood, and applied, will bring satisfactory benefits to its followers.

A fine program and good speaking insures a pleasant and profitable time to all who attend the meeting. Women of the farm, from all over the State are invited.

Mrs. James Howey, Pres.

How to Get Rid of Catarrh

A Simple, Safe, Reliable Way and it Costs Nothing to Try

Those who suffer from catarrh know its miseries. There is no need of this suffering. You can get rid of it by a simple, safe, inexpensive, home treatment discovered by Dr. Blosser, who, for over thirty-six years has been treating catarrh successfully.

His treatment is unlike any other. It is not a spray, douche, salve, cream, or inhaler, but is a more direct and thorough treatment than any of these. It cleans out the head, nose, throat and lungs so that you can again breathe freely and sleep without that stopped-up feeling that all catarrh sufferers have. It heals the diseased mucous membranes and arrests the foul discharge, so that you will not be constantly blowing your nose and spitting, and at the same time it does not poison the system and ruin the stomach, as internal medicines do.

If you want to test this treatment without cost, send your address to Dr. J. W. Blosser 106 Walton Street, Atlanta, Ga., and he will send you by return mail enough of the medicine to satisfy you that it is all he claims for it as a remedy for catarrh, catarrhal headaches, catarrhal deafness, asthma, bronchitis, colds and all catarrhal complications. He will also send you free an illustrated booklet. Write him immediately.

When writing to advertisers don't fail to mention Up-to-Date Farming.

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble.

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 150, Sta. F, Toledo, Ohio.



$69.50

Our Price of $69.50 for the

Genuine David Bradley Spreader Complete,

exactly like above illustration, sets a new mark in price and value. No manure spreader is worth more money than the David Bradley Spreader, because a better spreader cannot be built.

When you pay more than our price for a manure spreader, no matter what make, no matter what the manufacturer's claims may be, you do not get full value for your money, because no one can furnish you with a better spreader at any price. If the manufacturers of other spreaders would build them in as large quantities as we build the David Bradley and sell them the way we do, the **right** way, direct from factory to user, with but one profit added to manufacturing cost, they could market their machines at the price we ask for a David Bradley. The money you pay in excess of our price for a manure spreader does not go into the machine; it goes to pay the profits of agents, jobbers and dealers, all of which we save you.

Let Our Trial Plan Prove This to You.

We will ship you a David Bradley Spreader with the understanding that it is to be taken into the field and put to a thorough working test alongside of any other spreader at any price, and if the David Bradley Spreader does not prove to you beyond question that it is the best built and most highly perfected spreader made, that it is the lightest draft, the simplest and easiest to operate, the best working and longest lasting of all; if it does not satisfy you absolutely and convince you that it is the best spreader for you to buy, we want you to send it back at our expense and we will return you every cent you paid us for it and freight charges. No farmer can afford to buy a spreader until he has investigated our proposition.

$42.50 for the David Bradley Manure Spreader Box.

If you have but a small amount of manure to spread and wish to use your own truck, we will furnish you the complete spreader box and mechanism for $42.50. However, our low price of $69.50 for the complete David Bradley Spreader should justify anyone in buying the complete machine.

WRITE FOR OUR ILLUSTRATED CIRCULAR No. 65U47 OF DAVID BRADLEY MANURE SPREADERS.

Do it today. It illustrates, describes and prices the complete line—six models. It explains every feature of their construction and tells all about our liberal trial plan—the broadest and most convincing manure spreader proposition ever made by anyone.

Our Catalog of David Bradley Farm Implements should be in the hands of every farmer. It shows the complete line of David Bradley Plows, Planters, Cultivators, etc., famous for seventy-nine years the world over for their superiority, made in the big David Bradley factory which we own and operate. Our prices are less than dealers pay. Write for this catalog also; it's **free.**

SEARS, ROEBUCK AND CO., CHICAGO

Market No More Crops the Old Way
The Equity System Is Better

It Will Cost You a Two Cent Stamp

and not one cent more to learn all about this improved System of marketing farm crops. Market no more crops the old way but ship everything to **"THE EQUITY SYSTEM"** on the market you select. If not compelled to ship immediately correspond with "The Equity System" and learn where the best market is. Also immediately; that is, before you lay this paper down cut out the coupon below and send it for complete particulars of The Equity System and how to use it to get the best results.

Don't neglect to send the coupon. This is a co-operative movement and it is important that the headquarters of the Farmers Society of Equity knows who is going to use the System and it will render invaluable assistance.

We cannot explain The Equity System in this advertisement. It takes a book to explain it fully and enumerate its many advantages. But don't delay using the System if you are ready to sell any crops, while waiting for the book. Write at once to any market and report what you have. Then ship where the greatest demand, expressed by the highest price, exists.

The book is called "Farmers Industrial Freedom." The first cover is illustrated in the lower left hand corner of this page. It has 64 pages and cover. The price is 10 cents, but we will make no charge if you are a farmer who raises any kind of crops to sell and will send the coupon below.

If you have marketed this year's crops send the coupon anyway and get ready for the 1911 crops.



THE EQUITY SYSTEM WILL GIVE YOU A CHANGE

YOU ARE TIRED OF FIGURING on the ces you hope to get for your produce and what you will buy with the money, only to find when ready to sell, that somebody else makes the price so low that all your plans were spoiled, use The Equity System of Marketing.

IF YOU ARE WEARY of working all summer, straining and sweating, overworking your teams, staying in the fields late at night because you can't afford to pay the price laborers demand, all to produce big crops and then be told that prices are down because of over-production, use The Equity System.

IF YOU ARE TIRED of thinking, worrying and planning all winter long about ways to farm better, only to repeat your experience of getting a living while some other people pocket most of the profits, use The Equity System.

IF YOU ARE DISGUSTED with a system that often compels you to accept such prices for your crops as do not give you fair wages and allow you to keep up the fertility of your soil, when you know such prices are made by gambling Boards of Trade and Exchanges, change it by using The Equity System.

IF YOU ARE TIRED OF IT ALL. Tired of the incessant hard work, day and much of the night; Summer and much of the Winter; with hopes high in the Spring only to be crushed in the Fall, because of the prices paid for your crops, then don't market any more crops the old way but use The Equity System.

ARE YOU READY FOR A CHANGE? Will you change the system that has kept the average farmer poor and made millionaires of the people who handle farm crops if you can do it practically without expense?

The Purpose

The purpose of the Equity System of Marketing is to transfer the price making power from gambling and speculating Boards of Trade and Produce Exchanges in the cities to the farmers who produce the crops; from the organized interests in thecities to the co-operating farmers in the country. **Everything will be made clear to you if you will send the coupon.**

Some of the Advantages

Some of the advantages are: **Direct shipping, many toll gates avoided, prsonal representation on all leading markets, honest grading, correct weights and count, glutted markets avoided, the highest market prices, honest returns and eventually, absolute control of marketing by the producers who will also become price makers on their own produce.**

These advantages should cause the producers of all crops—grain, potatoes, live stock, cotton, hay, broom corn, rice, fruit, vegetables, poultry, eggs, dairy products, wool, tobacco, etc., to use **THE EQUITY SYSTEM.**

Address simply:

THE EQUITY SYSTEM
NEW ORLEANS, LA.

or any other market where it is established. (See page 5).

Send the Heart Coupon before you lay this paper aside

— THIS IS THE COUPON —

Send No MONEY

Send This COUPON

Farmers Society of Equity,
Indianapolis, Ind.

Gentlemen: I produce crops to sell. I want complete particulars of the Equity System of marketing and how to use it to get the best results as promised in UP-TO-DATE FARMING. Please, also, send the book, Farmers Industrial Freedom. *(Write very plainly).*

My Name is .....

R. R.... P.O.....

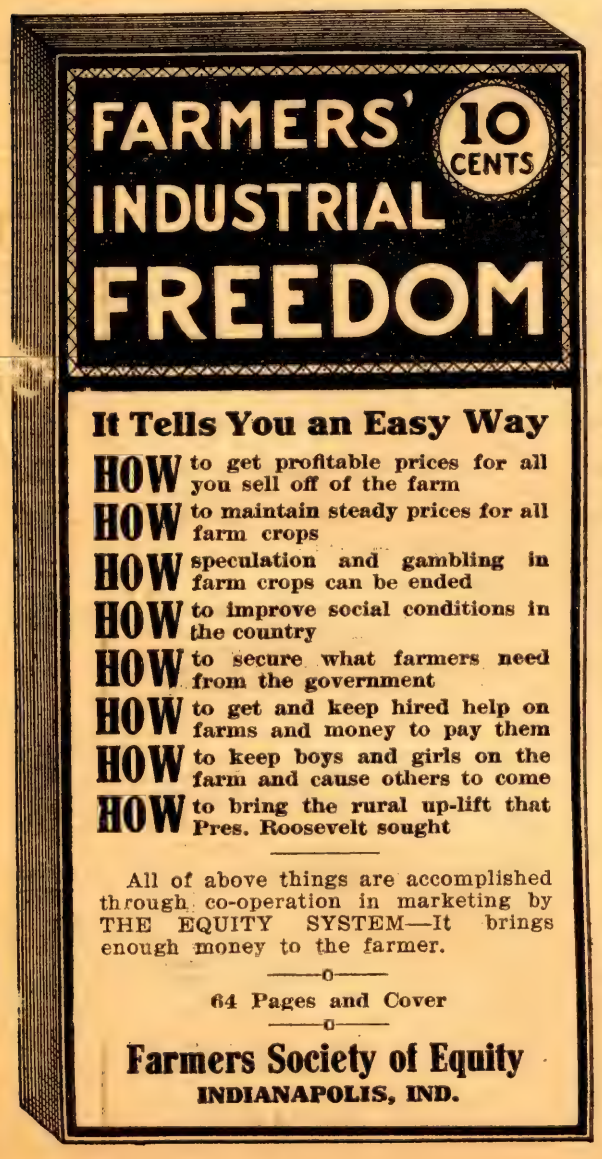
Co .....

My shipping ..... State.....

My chief Station .....

crops are .....

U



It Tells You an Easy Way

HOW to get profitable prices for all you sell off of the farm
HOW to maintain steady prices for all farm crops
HOW speculation and gambling in farm crops can be ended
HOW to improve social conditions in the country
HOW to secure what farmers need from the government
HOW to get and keep hired help on farms and money to pay them
HOW to keep boys and girls on the farm and cause others to come
HOW to bring the rural up-lift that Pres. Roosevelt sought

All of above things are accomplished through co-operation in marketing by THE EQUITY SYSTEM—It brings enough money to the farmer.

64 Pages and Cover

Farmers Society of Equity
INDIANAPOLIS, IND.

If You Will,

Market all Your Crops Through The Equity System and Send the Coupon on This Page at Once and You Will Never Regret It.

Farmers Society of Equity
Indianapolis, Ind.

New Rupture Cure

Don't Wear A Truss



Brooks' Appliance. New discovery. Wonderful. No obnoxious springs or pads. Automatic Air Cushions.

Binds and draws the broken parts together as you would a broken limb.

No salves. No lymphol. No lies. Durable, cheap. Sent on trial. Pat. Sept. 10, '01.

CATALOGUE FREE

C. E. BROOKS, 3195 Brooks Building, Marshall, Mich.

Don't Wear a Truss



STUART'S PLAS-TR-PADS are different from the painful truss, being made **self-adhesive** purposely to hold the rupture in place **without straps**, buckles or springs—**cannot** slip, so **cannot** chafe or compress against the pelvic bone. The most obstinate cases **cured** in the privacy of the home. Thousands have successfully treated themselves without hindrance from work. **Soft as velvet—easy to apply—inexpensive.** Process of cure is natural, so no further use for trusses. We **prove** what we say by sending you Trial of Plapao absolutely **FREE. Write TODAY.**

TRIAL OF PLAPAO

Address—PLAPAO LABORATORIES, Block 59, St. Louis, Mo.

TAPE-WORM EXPELLED WITH HEAD. WRITE FOR BOOKLET. BYRON FIELD & CO. 182 STATE ST. CHICAGO, ILL.

5 Fine POST CARDS Free

Send only 2c stamp and receive 5 colored Gold and Embossed Cards FREE, to introduce post card offer.

Capital Card Co., Dept. 130, Topeka, Kan.

SisterWoman!

READ MY FREE OFFER



My Mission is to make sick women well, and I want to send you, your daughter, your sister, your mother, or any ailing friend, a full 50-cent box of Balm of Figs Compound absolutely free. It is a remedy for the treatment of **woman's ailments**, and I want to tell you **all about it**—just how to use it yourself—right **at home** without any inconvenience—and the best of it is that it will not in the least interfere with your work or pleasure. Balm of Figs Compound is a remedy that has made sick women well and weak women strong, and I can prove it—**let me prove it to you**, and I will gladly do it, for I have never heard of anything that has, according to the abundance of testimonials at hand, so **quickly** and **surely** cured women's ailments. No internal dosing necessary—it is a local treatment, yet it has to its credit some of the most extraordinary cures on record. Therefore I want to place it in the hands of every woman suffering with **any form of female weakness or diseases so common to women.**

This 50c box of Balm of Figs Compound will not cost you one cent

I will send it to you **absolutely free**, to prove to you its splendid qualities, and then if you wish to continue further, it will cost you only a few cents a week. I do not believe there is another remedy equal to Balm of Figs Compound, and I am willing to **prove** my faith by sending out these **50-cent boxes** free. So, dear reader, irrespective of your past experience, write to me **at once—today**—and I will send you the treatment **entirely free** by return mail, and if you so desire, I can readily refer you to many, who can personally testify to the great and lasting cures that have resulted from the use of this remedy. But after all, the **very best test** of anything is a **personal trial** of it, and I know a 50-cent box of Balm of Figs Comcound will **convince you** of its merits. Nothing is **so convincing** as the **actual test** of the article itself. Will **you** give Balm of Figs Compound this test? Write to me today, and remember I will gladly send you a **50-cent box of this remedy absolutely free.** Address,

MRS. HARRIET M. RICHARDS, Box A86, JOLIET, ILLINOIS

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

Automobiles

AUTOMOBILE FOR SALE—Practically new 1910 Marion—Overland, 35-40 h. p., 4 cylinders. Complete with Prest-o-lite tank, 5 lamps, tools, tires in excellent condition. Cost new $1850. Run only about 1000 miles. Bargain at $1300. Demonstration any time. J. B. Fentony, Indianapolis, Ind.

Farm Lands For Sale

FOR SALE—Good Improved farm of 95 acres. Price right. M. Henley, English, Ind.

GREELEY COUNTY, KANS.; 160 acres; $13,000, smooth, level, uninproved; $500 down, balance easy terms. Clement L. Wilson, Tribune, Kansas.

INVESTIGATE THE FAMOUS O'CONNOR RANCH, if you want to enjoy life in its fullness. C. H. Lee, Manager, Indianapolis, Ind.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

Farms Wanted

FARM WANTED—I want information immediately about a good grain or stock farm for sale. There is a good buyer waiting for it, willing to pay your price. Write me at once for full particulars. Address Arthur Capper, Dept. 67, Topeka, Kan.

WE CAN SELL YOUR PROPERTY. Send description. Northwestern Business Agency, Minneapolis.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

For the Home

25 POUNDS GRANULATED SUGAR, 50c. Send for Big Grocery List. Grocery Company, Spring Mount, Pa.

WHITE CLOVER EXTRACTED HONEY. For particulars write to B. F. Schmidt, North Buena Vista, Ia.

Ginseng

GINSENG GOLDEN SEAL, pays well. Try them. Now is the time to plant good roots, prices reasonable. Ginseng Culture free. W. N. Long, Florence, Ky.

Male Help Wanted

LOCAL REPRESENTATIVE WANTED.—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, Suite 511, Marden Bldg., Washington, D. C.

RAILWAY MAIL CLERKS WANTED—Salary $800 to $1600. Annual vacations with full pay. Examinations everywhere, Nov. 12th. Thousands of appointments coming. Common education sufficient. Influence unnecessary. Write for list of examinations. Preparation free. Franklin Institute, Dep't. B-27, Rochester, N. Y.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

Produce Commission Merchants

IF YOU SHIP to the Chicago market, consign your fruit and vegetables, including potatoes, to The Equity System, 95 S. Water St., Chicago.

TAKE NOTICE—T. J. Hoover, Phila., Pa., sells poultry, eggs, apples, potatoes, onions, cabbage, carloads and less.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure, pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

WHAT THE TELESCOPE REVEALS

(Concluded from page 4.)

Cotton Exchange, is shown, with comparisons:

	1910	1910	1909
American	767,998	790,179	1,452,152
Other kinds	649,000	677,000	433,000
Total	1,416,998	1,467,179	1,885,152

The total visible increased 50,181 bales in two weeks.

Price of Cotton—New York, Sept. 21.—Middling upland, 13,904; middling gulf, 14,154. The price is $1.10 per cwt. lower than two weeks before.

CLOSING PRICES OF CASH GRAIN

(September 21, 1910.)

CHICAGO—Wheat, No. 2 red, 97¾@98¾c; two weeks before, $1.00@1.00½. A year before, $1.09@1.10½. Corn, No. 2 white, 54@54¾c; two weeks before, 59½c. A year before, 60@61c. Oats, No. 2 white, 34¾@35c; two weeks before, 34¼c.

ST. LOUIS—Wheat, No. 2 red, 99¼c@$1.03; two weeks before, $1.00@1.02. Corn, No. 2 white, 56@56½c; two weeks before, 59@59½c. Oats, No. 2 white, 35½c; two weeks before, 35@35½c.

KANSAS CITY—Wheat, No. 2 red, 98c@$1.01; two weeks before, 99c@$1.01½; No. 2 hard, 98c@$1.03; two weeks before, the same. Corn, No. 2 white, 54c; two weeks before, 58½c. Oats, No. 2 white, 34@35c; two weeks before, the same.

CINCINNATI—Wheat, No. 2 red, 99c@$1.03; two weeks before, $1.00@1.03. Corn, No. 2 white, 54½@57c; two weeks before, 63c. Oats, No. 2 white, 35@37½c; two weeks before, 35½@36c.

NEW YORK—Wheat, No. 2 red, $1.04⅝; two weeks before, $1.06⅞@1.07⅞. Corn, No. 2 white, 61½c; two weeks before, 67c. Oats, No. 2 white, 40½c; two weeks before, 39½c.

MINNEAPOLIS — Wheat, No. 1 hard spring, $1.12½; two weeks before, $1.13¾; No. 1 northern, $1.11¼@1.12; two weeks before, $1.12½.

FUTURE GRAIN PRICES

Chicago grain future closing, Sept. 21, with comparisons:

WHEAT — Sept., 96⅝c; Dec., $1.00½; May, $1.06¼. Two weeks before, 98⅞c, $1.03¼, and $1.08¾, respectively.

CORN — Sept., 52⅞c; Dec., 51c; May, 54¾c. Two weeks before, 58⅞c, 57½c, and 60⅛c, respectively.

OATS—Sept., 33⅜c; Dec., 34⅞c; May, 37⅝c. Two weeks before, 33¾c, 36⅜c, and 39½c, respectively.

PRODUCE MARKET

Chicago, Sept. 3, 1910.

POTATOES—Values were generally lower. A moderate business was done in Jerseys at 76c to 78c for Cobblers, and for a fancy car of Giants 75c was paid. Michigans sold today at 68c for good up to 71c for choice. A car was reported sold late yesterday at 73c. Wisconsins are slow; they are too small or green. Buyers do not take hold of them at all freely, and the receipts are increasing. What sales were made were made at 50c.

The market was quotable as follows:

Per bushel New Jersey Green Mountains, good to choice	$ 75@ 78
Giants, good to fancy	70@ 75
Cobblers, fancy	76@ 78
Michigan, round, white, small and green to choice	65@ 71
Wisconsin, small, or immature, as to condition	50@ 60

The price is 2 to 5 cents lower than two weeks before.

HAY—Choice Timothy Hay scarce and firm. Demand good. Low and medium grades in lighter supply, and feeling steadier. Demand improving. Choice Kansas Prairie Hay steady. Inquiry fair. Low grades dull. Offerings liberal and demand light.

Choice Timothy Hay	$18 50@19 50
No. 1 Timothy	16 50@17 50
No. 2 Timothy	14 50@15 50
No. 3 Timothy	12 00@14 00
Kansas and Oklahoma Prairie, choice	15 00@15 50

Timothy hay is $1.00 to $1.50 per ton lower; Prairie hay the same as two weeks before.

BROOM CORN—The trade is quiet.

Price—New corn, per ton, $70 to $130.

BEANS—Remain quiet and there cannot be anything different until new beans come on sale to an extent to admit of more business. For the present the market is running quiet with the little old stock on hand firmly held.

Pea Beans—	
Hand-picked, choice	$2 58@2 63
Prime	2 48@2 60

Medium nominally about same as Pea Beans.

Red Kidney, per bu., new Oct.	3 20@....
Limas, California per 100 lbs.	5 20@5 25

The price is about 15 cents a bushel lower on Pea Beans and about $1.00 lower on Red Kidneys than two weeks before.

EGGS—The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week. Cases.	Last week. Cases.	Lastyear. Cases.
Monday	9,432	7,473	9,392
Tuesday	10,197	6,046	10,897
Wednesday	5,079	10,755	8,802
Total	24,708	24,274	29,091

A steady feeling is reported.

For strictly fine, fresh Eggs there is a fair demand, but they are not taken up quite as eagerly as of late. They are wanted for home use and to fill outside orders. The poor lots—Eggs which show heat or have been held—are not so easy to sell, and a portion of the receipts are still made up of this ordinary stock. It sells at an irregular range of prices, depending on the condition.

The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 17@20c, depending on quality.

Ordinary firsts, 20c. "Firsts" quotably 22c per dozen. "Prime Firsts" quoted 24c. Dirties quotable 14@16c per dozen, according to quality. Refrigerator Extra Aprils offered at 24c, and 23c bid. June Firsts, 22c asked.

The price is 2c a dozen higher than two weeks before.

Stomach Troubles Vanish Like Magic

FREE to Every Man or Woman



Dr. Young's **PEPTOPADS cure** where medicines alone **fail.** They regulate the bowels, relieve soreness, and strengthen the nerves and muscles of the stomach in either sex. You can eat what you want and all you want without fear of distress. The cures effected are marvelous. If you have **Dyspepsia, Indigestion, Sour Stomach, Distress after Eating, Nervousness, Dizziness, Heart Fluttering, Sick Headache,** etc., send **10c** to cover cost of mailing, and I will send you a **$1.00** treatment absolutely **free.** It will relieve you immediately. Address **DR. G. C. YOUNG, 243 National Bank Building, Jackson, Michigan.**

DEAFNESS CURED

"I have demonstrated that deafness can be cured."—Dr. Guy Clifford Powell.

The secret of how to use the mysterious and invisible nature forces for the cure of Deafness and Head Noises has at last been discovered by the famous Physician-Scientist, DR. GUY CLIFFORD POWELL. Deafness and Head Noises disappear as if by magic under the use of this new and wonderful discovery. He will send all who suffer from Deafness and Head Noises full information how they may be cured, absolutely free, no matter how long they have been deaf, or what caused their deafness. This marvelous Treatment is so simple, natural and certain that you will wonder why it was not discovered before. Investigators marvel at quick results. Any deaf person can have full information how to be cured quickly and cured to stay cured at home without investing a cent. Write today to Dr. Guy Clifford Powell, 6938 Bank Building, Peoria, Ill., and get full information of this new and wonderful discovery, absolutely free.

BED WETTING

IMPERFECT CONTROL of urine during the night or day in young or old can be cured with our harmless Remedy. To prove its merits we will send **A 50c PKGE. FREE** to any address. **C. H. ROWAN DRUG CO., Room 106, 53 RIVER ST., CHICAGO, ILL.**

Extra Fine Post Cards Free

Send 2c stamp for five samples of our very best Gold Embossed Friendship, Flower and Motto Post Cards; beautiful colors and loveliest designs.

Art Post Card Club 875 Jackson St., Topeka, Kan.

DON'T FAIL TO MENTION UP-TO-DATE FARMING when writing our advertisers

I Cured My Rupture

I Will Show You How To Cure Yours FREE!

I was helpless and bed-ridden for years from a double rupture. No truss could hold. Doctors said I would die if not operated on. I fooled them all and cured myself by a simple discovery. I will send the cure free by mail if you write for it. It cured me and has since cured thousands. It will cure you.

Fill out the coupon below and mail it to me today.

Free Rupture-Cure Coupon

CAPT. W. A. COLLINGS, Box 606 Watertown, N. Y.

Dear Sir:—Please send me free of all cost your New Discovery for the Cure of Rupture.

Name.....

Address.....

.....

This advertisement is meant personally for every reader of UP-TO-DATE FARMING. I would like to meet and talk to everyone "face to face." Since this is impossible, write me a letter or sign and mail me the coupon below and you will not regret it. As a business man who realizes that it doesn't pay to act anyway but "on the square," I say to you that you cannot find a better proposition than this anywhere for either a home, farm or investment. There is not a better proposition. I want you to investigate—that's all.

CHAS. H. LEE.

The Famous O'Connor Ranch

Is the Best Land in Texas and Texas Is the Best

70,000 Acres of Rich, Virgin Land, Just Put on the Market, Ready for the Plow, Going Fast

THE O'Connor Ranch tract of farm, fruit and truck land is in Calhoun County Texas and in what is known as The Gulf Coast Country. It is 18 miles in extent East and West and averages about 12 miles wide, North and South. It contains 70,000 acres.

2. It is bounded by Matagorda Bay, San Antonio Bay, Espiritu Bay and Powderhorn Lake. These bodies of water form about three-fourths of the boundary. It has a shore line of 45 miles.

3. The great inter-coastal canal which is being built from the Rio Grande river on the South to New Orleans is completed to Port O'Connor, the Gulf port in the Southeastern corner of our land.

4. Artesian water can be obtained any where by drilling 300 to 500 feet. There are now 23 such flowing wells on the tract that were drilled to secure water for cattle formerly raised here in great numbers. This land does not require irrigation for the usual agricultural operations, but should the time come when it was desired to put under more intensive cultivation the water will be available and this should be taken into account as one of the most valuable natural assets.

5. A branch of the Frisco railroad runs the entire length of the tract from Northwestern to the Southeastern corners, a distance of about 19 miles. Our town of Port O'Connor, already well established is the eastern terminus of the railroad.

* * *

I have been particular to enumerate some of the features of this highly favored place in the foregoing paragraphs, 1 to 5, so the reader may have them before him when considering whether this is a desirable place to live, to farm or for investment.

My experience in selling land covers many years. But I say frankly that I never had any land to sell that possessed as many attractions, and advantages, and gave promise of so rich returns in cultivated crops, advance in values as this O'Connor Ranch land does.

a man and his family can cultivate the soil with better reward, devote spare hours or days to more healthful enjoyment, on land or water, like hunting, fishing, boating, bathing,etc., than on this place.

* * *

OUR LAND IS LOW IN PRICE

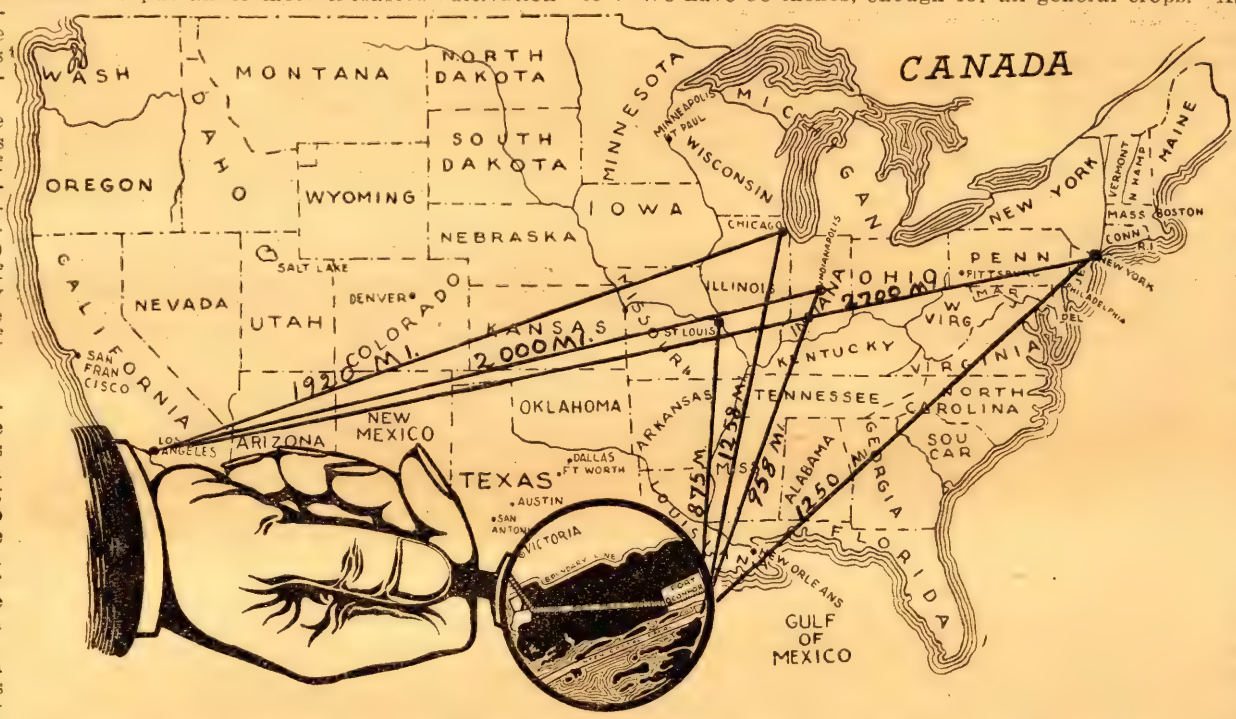
What do you think land is worth with all of these advantages? I know land in Indiana and other Northern States that is held at $150 an acre or more, that will not begin to earn the money that this land will. Yet you can buy a farm of 40 acres or more at $30 an acre NOW. A moderate cash payment and the balance on time to suit the purchaser. Texas land is selling for $50 per acre up. Compare all others with this. Ask them if they have a sea-port. Ask them if they have plenty of rain fall. We have 38 inches, enough for all general crops. Ask them if they have a railroad built and operating through their land. We have all of these and there is no better soil in Texas.

The railroad passes through or along 46 quarter sections. It gives about 40 miles of land fronting on both sides of the railroad. Do you want one of these 46, 160-acre farms? Or do you want one of the 92 80's? or one of the 184, 40's along the railroad?

There are over 100 quarter sections fronting on the bays. Do you want such a farm of 160 acres; or an 80; or a 40?

Every acre of the land is desirable, because none of it is more than six miles from the railroad and none more than 6 miles from water. But there are many plots that have great advantages over some others. Of course the first people will get first choice. That means much.

The distance between Seadrift and Port O'Connor, the two railroad routes, is 19 miles. There will be several towns spring up along the line of the railroad. Who will select the tract that will soon be in town?



Do you know that the northern cities have strawberries and other fruit and new vegetables all winter? You also know what high prices they bring. Do you know where they come from? They come from Texas, California and Florida. The whole North gets its supplies from these States and always must. The O'Connor Ranch tract is in the heart of the winter garden, early vegetables and fruit belt of Texas and has unsurpassed shipping facilities, and having its own seaport gets the lowest transportation rates. Compare the distance to market with California. (See the black lines on the map). Less than half the distance to the large eastern cities and only about half the distance to the great cities in the central part of the country. The difference in transportation increases the producers profit. We see no reason why this land will not eventually be worth several hundred dollars per acre.

OUR LAND IS READY TO WORK

The land is level and rich; no stumps, brush or stones, but is ready for the plow. Locate, and begin work that will produce money in a few weeks.

IDEAL CLIMATE SUMMER AND WINTER

Being nearly surrounded by water it has cool sea breezes almost continually. No hot summers and there are no winters. The tidal waves never visited this place and never can as it lies too high and is protected by islands and peninsulas.

MONEY CROPS THE YEAR 'ROUND

Produces the finest Potatoes, Tomatoes, Cabbage, Cauliflowers, Onions, Beans and other vegetables. Oranges, Grape Fruit, Grapes, Figs and Melons grow luxuriously. Also the staple crops such as Corn, Oats, Cotton, Alfalfa, Sugar Cane, Cow Peas, Kaffir Corn, Etc., can be produced to good profit. Something growing and marketing every month of the year.

LOOK WHERE YOU WILL, INVESTIGATE OTHER PROPOSITIONS—THEN YOU WILL BUY HERE

I do not know of any place where a greater variety of crops can be grown and that is better located for seasons of maturing crops and marketing. The fact of having a seaport gives the special water rate on the products to the Eastern markets. I have never found a place where

JOIN MY EXCURSION

My excursions to show the O'Connor Ranch lands will be Oct. 4th and 18th and Nov. 1st and 15th. Nothing can please me better than to have you go with me and see with your own eyes that all I have said is true. Seeing is believing—we want to show you.

I WANT TO HEAR FROM UP-TO-DATE READERS

If you want to go write to me and I will give you full particulars of rates and where you can connect with my excursion train. It does not matter where you live, just send the coupon and I will give you full particulars. I have a handsome booklet about Texas that you should have. It will be sent free when you write. It costs you a postal card or a stamp to write me and it may mean more to you than nearly any other event in your life if you write me. You can't lose—write today.

Calhoun County Cattle Co.

C. H. LEE, Mgr. Indianapolis Office

INDIANAPOLIS INDIANA

THIS IS THE COUPON

MR. CHAS. H. LEE, Manager
Indianapolis, Ind.

Dear Sir: I am interested in the O'Connor Ranch. Please send me full particulars and information about your excursions.

My
Name .....
My
Address .....

Tons of Money Saved by Wearers of STEEL SHOES!

FREE

Write today for book, "The Sole of Steel," or order a pair of Steel Shoes.

Pat. Dec. 4, 1906
Others pending.



One Pair of "STEELS" Outwears 3 to 6 Pairs of Best All-Leather Shoes— Saves $5 to $10 a Year

Ruthstein's Steel Shoes are Worn and Praised by Thousands

You can positively save from $5 to $10 a year and get more good wear, more solid comfort, more health-protection, more real enjoyment out of Steel Shoes than you ever had in your life from leather-soled work shoes or rubber boots. Thousands are wearing Steel Shoes today, saving immense sums of money. Every wearer will tell you they are easier on the feet, lighter, more healthful and durable than the best all-leather work shoes that money can buy. Absolutely the best farm shoe in existence.

BETTER THAN THE BEST LEATHER-SOLED SHOES---FEEL BETTER, FIT BETTER, WEAR BETTER, LOOK BETTER!

If you will **put a pair of Steel Shoes on your feet**—even for **five minutes**—the shoes will do the rest. They will surprise and delight you with their lightness, neatness and comfort—their astounding durability. They will literally **sell themselves!**

Hence I am making this special **Free Examination Offer,** merely asking you to send me the price, while you are "sizing up" the shoes. If they fail to convince you **immediately,** you can simply notify me to send for them at my expense and the money will be refunded **at once.**

No Corns! No Bunions! No Callouses! No Blisters! No Wet Feet! No Colds!

Try Them On---in Your Own Home---at Our Risk!

FREE EXAMINATION!

Your Money Back Immediately if Shoes Don't Suit!

The Steel Shoes are the strongest and easiest working shoes made. There is no need of breaking in. Comfortable from the first moment you put them on. Easy to put on or take off. Impossible to get out of shape. We could not afford to make you this special offer if we were not confident that our Steel Shoes are just what you need. You run absolutely no risks, no trouble on your part. All we ask is that you try on a pair of Steel Shoes before you buy any other style of working shoes! You will wonder how you ever did without Steel Shoes this long. Our Steel Shoes will more than surprise you.

A Wonderful Invention Explained

Here is the way Steel Shoes are made: The uppers are made of a superior quality of leather, as *waterproof as leather can be tanned.* This leather is wonderfully soft, flexible and pliable—never gets stiff and hard, no matter how long the shoes are worn in mud, slush or water.

The soles and sides are made out of one piece of special light, thin, springy, rust-resisting Steel.

New Corrugated Steel Soles

We have added 100 *per cent* to the *strength* of the Steel Soles by *corrugating* the bottoms. This *extra strength* enables us to make the soles even *lighter* than before.

The Sole of Steel keeps the uppers in shape, prevents them from warping, twisting or cracking. Soles and heels are studded with adjustable Steel Rivets which prevents the bottoms from wearing out. Rivets are easily replaced by hand when partly worn, making the shoes as *good as new!* Fifty extra rivets cost only 30 cents and should keep the shoes in good repair for at least two years. No other repairs ever needed! The uppers are tightly joined to the steel by small rivets of rust-resisting metal, so that no water can get between.

The soles are lined with soft, springy, comfortable Hair Cushions, which *rest the feet,* absorb perspiration and odors and add to ease of walking. Cushion can easily be taken out for cleaning.

No Corns, Bunions, Callouses, Blisters!

Steel Shoes are so easy on the feet that they absolutely do away with corns, callouses, soreness, blisters and other foot troubles. They give *rest* and *support* to the feet, and keep them in *perfect condition.*

No Wet Feet! No Cold or Rheumatism!

If you wear Steel Shoes you can work all day in mud and water or snow without having wet or cold feet. Thus you escape colds, rheumatism, neuralgia and the long train of ills that result from cold, wet feet. The dreaded Pneumonia often results from inadequate foot protection. Steel Shoes pay for themselves again and again by preventing sickness and saving doctor's bills. Wear Steel Shoes and you can work in cold, wet, stormy weather that would otherwise keep you indoors.

Steel Shoes in Sizes 5 to 12

6 Inches, 9 Inches, 12 Inches and 16 Inches High

Steel Shoes, 6 inches high, $2.50 per pair.
Steel Shoes, 6 inches high, better grade of leather, $3 per pair.
Steel Shoes, 6 inches high, extra grade of leather, black or tan color, $3.50 per pair.
Steel Shoes, 9 inches high, $4.00 per pair.
Steel Shoes, 9 inches high, extra grade of leather, black or tan color, $5.00 per pair.
Steel Shoes, 12 inches high, extra grade of leather, black or tan color, $6.00 per pair.
Steel Shoes, 16 inches high, extra grade of leather, black or tan color, $7.00 per pair.

Each pair of Steel Shoes is worth $2.00 more than the best leather work shoes. A trial pair will convince you.

Every pair of Steel Shoes is inspected and tested before shipment.

A Positive Blessing to Farmers' Feet

Steel Shoes are unquestionably the most important discovery for the benefit of farmers in the last 100 years. They enable you to work in comfort, rain or shine, in heat or cold—in the field, barnyard or feed lot—in the swamp, in ditch work, among brush, stones or wherever there's work to do. They stand hard knocks! They shed mud! They keep your feet bone dry, rested and free from corns, chafing and blisters!

They save time and money and doctor's bills.

The *proof* is *yours for the asking!*

Don't Wait—Send Now

See the shoes—then decide!

We don't ask you to *buy* the shoes!

We just want you to slip your feet into a pair of Steel Shoes—to *feel* and *see* and *know* how much *lighter, neater,* more *comfortable* they are than any other work shoes in existence.

We offer to send you a pair of Steel Shoes for FREE EXAMINATION—any size or style you may select—on receipt of the price and *let the shoes themselves* tell you their marvelous story of comfort, lightness, neatness, strength and wonderful economy. You *must* see the shoes themselves *before* you can *realize* how much they mean to you!

They will tell you more in *five minutes* than we could in *five hours!*

If they don't convince you *instantly*—DON'T KEEP THEM!

Simply notify us to send for the shoes at our expense, and every penny of your money will be returned promptly without delay or argument.

Don't hesitate. Any banker, any express company will tell you we are responsible. The editor of this paper will do the same. You need Steel Shoes and you need them NOW. Don't put it off, but accept our liberal FREE EXAMINATION OFFER at once, and *make sure* of getting your shoes promptly.

We strongly recommend the 6-inch high Steel Shoes at $3.50 per pair or the 9-inch high Steel Shoes at $5.00 a pair. For all classes of use requiring high-cut shoes, our 12 or 16-inch high Steel Shoes are absolutely indispensable.

Throw away your old shoes and hot rubber boots—Don't torture your feet in hard, twisted, warped, leaky, shapeless leather-soled shoes. Don't sweat your feet and make them tender by wearing hot rubber boots, felt boots or arctics. Throw the old things away! Get a pair of Steel Shoes and learn what foot comfort really means!

Our Three Great Factories

The success of Steel Shoes is almost startling.

Within three years we have established Steel Shoe Factories in Racine, Wis., Toronto, Canada, and Northampton, England.

These great factories, running at full capacity, can scarcely keep up with the demand from all over the world.

Steel Shoes for Boys

Boy's Steel Shoes are absolutely *boy-proof!* Made exactly like Men's Steel Shoes. Soles, heels and sides are *one piece* of light, thin, *rust-resisting* Steel. Uppers are *waterproof* leather! Put a pair on *your* boy and save shoe money!

An active boy keeps you busy buying shoes. One pair of Boys' Steel Shoes outlasts 3 to 6 pairs of "all-leather." No patching! No half-soling! No new heels!

Boys who wear "Steels" can work or play in *mud, slush, or water* without danger of colds and sickness. We will send a pair of Boys' Steel Shoes for Free Examination on receipt of the price.

If you are not instantly convinced of their wonderful merit, simply notify us to send for the shoes at our expense and your money will be refunded promptly.

Boys' Steel Shoes—Sizes 1 to 5

6-inch High Boys' Steel Shoes, $2.50 per pair.
9-inch High Boys' Steel Shoes, black or tan, $3.50 per pair.

In ordering, give correct size. Boys' Steel Shoes will *please the boy and save you money* and worry! Send today!

EXAMINATON COUPON

Steel Shoe Co., Dept. 59, Racine, Wis.

Dear Sir: Please send at once for free examination

.....Pair.....inch Men's Steel Shoes, Size.....

.....Pair.....inch Boys' Steel Shoes, Size.....

I enclose.....for $..... in payment for same, as per free EXAMINATION OFFER.

Name .....

Town ..... State.....

County ..... R. F. D.....

N. M. RUTHSTEIN, Secretary and Treasurer

STEEL SHOE CO., Dept. 59, RACINE, WIS.

Canadian Factory—Toronto, Canada

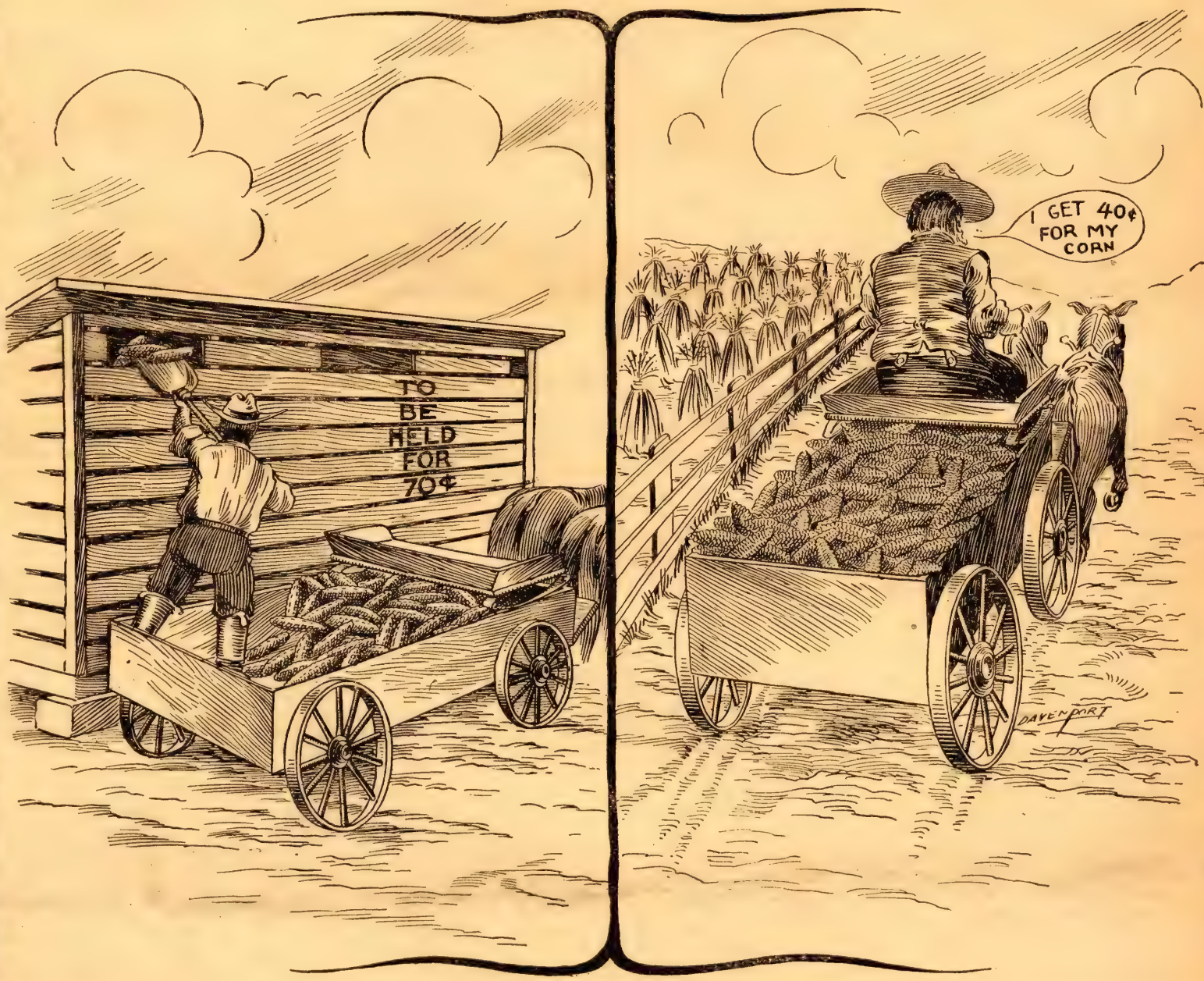
Great Britain Factory—Northampton, England

Up-to-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, OCTOBER 15, 1910 | Number 20

CORN IN CRIB OR MARKET



Are you going to be a dumper this year and throw your crop on the market before harvest is scarcely over, or are you going to control your marketing and feed the demand as it makes itself known and thus secure the rise in price that occurs nineteen years out of twenty?

(See Editorial, Page 3).

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

It Is Easy To Get Subscribers

EVERY farmer is glad to subscribe for UP-TO-DATE FARMING when he knows there is such a paper. There are over 400 farm papers that teach how to raise crops, but only one —Up-to-Date—teaches how to sell them at profitable prices and send them direct to the markets that need them.



The old way—
the farmer chased the dollars

The combinations of packers, produce kings, grain speculators, exchange manipulators and the intricate, expensive marketing system have robbed the farmers of the fruits of their toil for years by arbitrarily fixing prices from which there was no escape. But it is different now and UP-TO-DATE FARMING teaches the new way.



The new way—the dollars come rolling to the farmer

ting that new subscriber asked for in the advertisement in next column. It really will make no difference if your neighbor takes other papers now. UP-TO-DATE FARMING is different from all of them. It is in a class of its own and is indispensible on every farm where the object is to get the most money as well as to raise the largest crops.

I hope some member of the family will get that new subscriber at once. —

—J. A. E., Editor.

THAT farmer who does not learn how to market his crops to prevent gluts on markets, and low prices, and then practice that plan fails sadly to be just to himself and all other farmers. It is a duty he owes to himself, his family, his brother farmers all over our great land, men engaged in other lines of effort and to God. Since there is a practical way to market crops to compel steady, uniform, equitable and profitable prices, which will benefit everybody, the great responsibility is placed on every farmer to know, and do that way.

THANKSGIVING WILL SOON BE HERE --- NOVEMBER 24th

THANKSGIVING NOVEMBER 24th



48 THANKSGIVING GREETINGS 48

LOOK OLD FOLKS and YOUNG FOLKS AT MY THANKSGIVING POST CARDS. YOU NEVER SAW ANY TO EQUAL THEM. LET ME SEND YOU 8 SETS OF 6 EACH— 48,—ALL DIFFERENT.—J.A.E.

THE use of holiday post cards is increasing at an amazing rate. It is the custom now for nearly every family, and every member of the family, to send a greeting to absent friends as the holiday seasons arrive and nothing gives more pleasure than to thus remember and be remembered. Second only to Christmas is Thanksgiving as the day of happiness and good cheer and there is nothing more appropriate than to send my beautiful **SOUVENIR THANKSGIVING POST CARDS** as thoughtful remembrances on this holiday occasion.

Last season I gave my subscribers very beautiful cards. A great host of them wrote: "The most charming ones we ever saw." But I am proud to announce that my 1910 cards are far, far more beautiful than last season's and richer and more expensive.

I will not attempt to describe them here; I cannot. You must see them. There are 8 sets of 6 each—48 in all—no two alike. They are produced by 12 printings, are embossed, and half are finished in gold, the other half in silver. Each card has the picture of a turkey with all the richness and gloss of his plumage reproduced. Also pictures of happy children, autumn leaves, flowers, corn, wheat, fruit, pumpkins, etc., and a joyful Thanksgiving Greeting. My Thanksgiving cards make every body happy, from grandfather to the little tots.

Remember, there is not one set but eight. By this arrangement they meet the requirements of all the members of the family for correspondence, while to keep they make a collection that any person will be proud to possess. This kind of cards would be expensive if you would buy them, but you cannot buy them, I give them only as rewards. Following is my offer:

MY EXTRAORDINARY OFFER

To any person who will now subscribe to Up-to-Date Farming, or renew his subscription and send a NEW SUBSCRIBER both for only 50 CENTS, I will send the entire series of Thanksgiving Post Cards, 8 sets of 6 each—48 cards.

I guarantee you will be very much pleased or I will return all money.

Each present subscriber is invited to embrace this offer. If paid in advance now, your time will be extended.

Fill out the coupon and send it right away. Even if your time is paid in advance you better embrace this offer now as the subscription price will be more soon. We are preparing to print the paper weekly after this year. "A hint to the wise," etc.

Every family uses post cards and every member of the family. Those who know my cards won't have any others.

J. A. Everitt, Editor, Up-to-Date Farming, Indianapolis, Ind.

This Offer is Limited to Orders Mailed on or Before NOV. 5th

J. A. Everitt, Editor, Indianapolis, Ind.

I enclose 50 cents for my subscription one year and a new subscriber one year and 48 THANKSGIVING Post Cards as offered in October 15th number (If you cannot send a new subscriber then write your address only and you will be credited for two years).

My Name ..... Are you a subscriber now.....

My Address .....

The new Subscriber .....

His Address .....

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

Re-entered as a Semi-Monthly publication as second-class matter, January 20, 1908, at the Post-office at Indianapolis, Ind., under the act of Congress of March 3, 1879.

Volume XIII | INDIANAPOLIS, INDIANA, OCTOBER 15, 1910 | Number 20

The Political Trusts

A GREAT deal is said about the combinations and trusts, and the people are justly alarmed at their business encroachments and their monopolistic control of the necessities of human life and comfort. But mention is seldom made of the political trusts that control state and national public business, really the most dangerous trusts of all when operated by trust methods and dominated by trust greed.

The government of the United States, including that of the several states of which it is composed, is a big thing financially. No other institution on earth affords greater opportunities for speculation, boodle, graft, money getting schemes, and actual theft inside of the law or with laws making prosecution difficult. The billions of dollars that are every year disposed of by the national and state governments constitute a rich field, and were this all controlled by a combination or trust, or by allied trusts, Rockefeller's Standard Oil, the packing house trust, the sugar trust, and all the other trusts would fade into insignificance. Were state and national governments and their expenditures brought under such control and its revenues compelled to pass through certain hands, how easy it would be to rob the individual millions from whom it is drawn, leaving those individual millions with little recourse and no hope of recovery.

But, whispers the confident citizen, the machinery of this government is in the hands of public officials, who are chosen by the voters, and who must necessarily be good and honest men. Constitutional and statutory safeguards are thrown around it all, and the people may well rest in quiet security, themselves being the final rulers through an independent ballot.

That is the beautiful theory of it, and it worked well for a number of years, before the spirit of greed seized upon so many of our people. In those days political parties were formed for a purpose, and they lived to carry out that purpose. When a citizen declared his party affiliations all who heard him knew exactly what he was for, and whom and where to trust him—the parties of Andrew Jackson and Abraham Lincoln. But other days and other methods came. The sugar trust, the beef trust, the steel trust and the standard oil, taught greedy men how to combine and control whatever had money in it. Such men realized that if the money of the government, its receipts and expenditures, with its wonderful machinery, could be so controlled, its possibilities for personal gain would be limitless.

All these things, state and national, were in the hands of the political parties, two political parties, one sometimes dominant and then possibly the other, one secure in some places, the other in other places. If these parties could be brought under control of a certain class of people, the Havemeyers, the Rockefellers, the Armours and the Morgans of politics, the public billions could be tapped and greed gratified.

But how to secure that control was the problem. Long lines of independent sovereign voters stood at the ballot boxes to determine who should rule. But, as before intimated, these sovereign people aligned themselves into political parties that were constantly at war with each other, sometimes over one thing and sometimes over another. This division and warfare gave shrewd men their opportunity. Augment the strife. Parade before the people issues real and faked. Build up prejudices in them and make the strife more bitter. The greedy bosses behind the leaders could understand. What matter if the parties did fight each other. One ruled in one place and the other in another place, but in either case the bosses triumphed, because their stakes were set that way. You can't beat hungry politicians. They fight each other in the campaigns, but they are ready allies on questions that affect party control and the distribution of boodle. We need scarcely refer to senatorial elections and legislative "Jackpots."

The unprejudiced must admit that the parties are under different control from what they once were, and evidently for a different purpose; and so determined is that control that if any dare oppose it those who dare to do so are insurgents in one party and radicals in the other. The machines would grind into powder the insurgent Roosevelts and LaFollettes, and the radical Bryans and Folks.

Note the corruption in the conventions and the boodle in popular primaries; bribery in legislatures and the dominance of special interests in congress; the pitiful weakness of the courts in the trial of trusts, and the servility of the public press; the auxiliary of presidents and cabinets to perpetuate party rule. If there is no boodle combine in the political parties, and no alliance between them for preservation and perpetuation, signs that could mean little else now everywhere displayed should be taken down. Dare we say these signs are meaningless? If there is not a political trust, if the party bosses have not so combined to benefit by the public patronage, and fatten upon the billions drawn from the taxpayers of the country to support state and national governments, then the signs the people are beginning to see and cannot longer ignore, should be removed, and patriotic service for the masses should take the place of wretched pandering to the classes.

UP-TO-DATE FARMING is not partisan, but we are for good government and honesty in public officials. We know that the same spirit and shrewdness that builds up trusts and monopolizes articles of common necessity, could get control of the dominant parties and direct government affairs to the meanest kind of private gain. Whether or not this has been done as above outlined, the people themselves must be the judges. Our mission is to serve the masses against all exactions and extractions in trade or otherwise. We are for Equity everywhere, fairness and honesty in all things, and our hope centers in the great conservative agricultural class that can lead if they will in the ranks of the ruled.

The Meat Problem

THE meat problem is not confined to the United States. Bradstreet's summarizes from a compilation made by the Bureau of Statistics of the Department of Commerce and Labor, to show that prices have risen both in exporting and importing countries of the world. If these prices reach back to the producers they are everywhere getting more for their meat stuffs than heretofore, and consumers are certainly paying more. It would be interesting to know how much more is being absorbed by the handlers that come between.

The chief meat exporting countries are Australia, New Zealand, Argentina, Canada and the United States. The importing countries are Great Britain, Germany, and, in fact, nearly all the European countries. Meat is higher in all these countries than it was ten years ago.

It seems that salt meats having increased more in price than fresh meats, and beef has advanced less that pork and mutton. It may be that the less advance in fresh meats is traceable to the improved and cheapened facilities for preservation in storage, and the increase in the price of pork and mutton above that of beef is attributed to the slow growth of the supply of these articles. There is a palpable scarcity of hogs and sheep. The percentage of increase in England between 1896 and 1908 is given as follows: Preserved beef, 52 per cent; salted beef, 53 per cent; bacon, 47½ per cent; preserved mutton, 45 per cent. But pork shows a rise of only 12 per cent; mutton, 14 per cent; and hams, 17 per cent, while fresh beef actually dropped 3 per cent.

All the European cities show higher wholesale prices in the local markets. In Moscow, Russia, beef of the first quality advanced in price from 8.6 cents in 1903 to 12 cents in 1908; of the second quality from 6.8 to 9.7 cents; of the third quality from 3.4 to 6.8 cents and salted beef from 8.6 to 10.3 cents. The cities of Germany show an advance in beef from 13.2 cents in 1896 to 16.5 cents in 1908; pork, from 12.9. to 16.3 cents; mutton, from 13.2 to 17.4 cents.

All this is interesting to American farmers principally because it shows there cannot be much fall in prices for several years, unless such fall is brought about by trust manipulation or financial disaster, for neither of which are we able to see any reason, hence we confidently advise farmers to increase the production of meat producing animals, particularly of sheep, hogs and poultry. It is undoubtedly a safe proposition. The thing we regret most is that farmers persist in their individuality of effort, while every other class combines and acts in concert. We wish farmers would awaken to the necessity of doing the same.

A MILLION DOLLAR EXCHANGE.

WE note from the published proceedings of a State meeting of a farm organization, and from newspaper comment thereon, that it is proposed by the organization, though by no means strong in the State, to establish in the capital city, a million dollar exchange. Of course, as is usual in such cases, the farmers are expected to furnish the money in the form of subscriptions to the capital stock.

The avowed object of the exchange is to purchase the farm products of the State anl sell them on the market to retailers and consumers. We are glad for farmers to come to the front in the management and control of their business, but these exchange schemes have so often failed that one would thing that farmers have had enough of them. For arguments sake, concede them to be successful, and so far as we know not one of them ever has been, in what do they differ from the ordinary marketing process? The managers of the exchanges buy the stuff on the market, at the prices established by the boards of trade, and they must buy in competition with the established trade people. How can there be any gain in that to the farmers?

But if they get the stuff they must pay higher prices than the established houses. In this there may appear to be some benefit to the producers But the exchanges must sell as well as buy, and they must sell in competition with the established houses also, and if they do not sell as low as these houses nobody will buy. If they buy higher and sell as low there will be a loss of money. Whose money? That of the farmers who contributed to the capital stock. That has always been the result, and with a doubtful exception here and there, it always will be.

Such institutions are at a continual disadvantage. They are generally managed by inexperienced people, good and honest men, let us admit, but men who do not know the ins and outs of trade. They are in direct competition with well established houses under the management of trade veterans, who have grown gray in just such manipulations. The very origin and nature of the new concern unite all the established houses and veteran traders against it. It is like an avalanche plowing down upon a snow man set up by children. There is no chance for it to stand, no matter how shrewd the management. Besides, it has nothing to do with controlling the markets. It is merely the establishment of another trading firm to divide the business with those already in existence, and at the almost certain loss of the farmers' money.

Why should farmers be asked to furnish money to buy their own products, when those products so purchased must go through the same channels of trade? The feature the farmers are interested in is the selling, not the buying. Control the marketing. Sell to meet the demand. Induce direct shipments to prevent market gluts and secure greater consumption and a broader and steadier demand. Do this through the established agencies, and save the money you already have. The problem is really a very simple one, **THE EQUITY SYSTEM.**

CORN IN CRIB OR MARKET.

THE corn crop of this year is a large one and when the government figures of the yield are given out, they will be record breaking and enormous. Another element that will contribute to the surplus is the scarcity of the stock to which large quantities of corn is usually fed.

What shall be done with the crop? Is it wise to put the corn in the crib, or to rush it onto the market? Put it in the crib, not all of it, but there will be enough who will sell anyhow to supply the harvest demand. Farmers are better equipped for storing corn than any other crops; they can hold it more safely, and they can sell a part or all at any time they wish. We believe it is better to crib it and await the settling of the market.

If the farmers were properly organized, they could easily feed the market to a definite equitable price, but in the absence of such organization they may confidently await developments. One element of the situation is that the hay crop is short and the price high. That will no doubt increase the use of corn. But a counter element is that the oat crop is large, and will doubtless divide this extra demand for corn. The situation should be viewed fairly and from every stand point. That is what we are trying to do, and we conclude that the best place for the corn is the crib.

Direct Shipments

WE have quoted many times from J. J. Hill, the railroad magnate, because his utterances are generally to the point and seem to be free from selfish motives, which cannot be said of too many of the sayings of men in his position. Some months ago he wrote a letter to a national meeting of millers, in which he said:

It is worth while to consider whether a considerable share of your distributing business could be readjusted. If orders went direct to the mills from the smaller cities and towns, and shipments were made direct to them, instead of being consigned to central agencies, and thence transferred to the buyers, it would make less business for terminals. By such a process of decentralization, adopted by business generally, much relief might be obtained.

That is unquestionably the key note of the business situation today. It is direct shipments versus round-about shipments through central markets. Many railroad men oppose direct shipments under the mistaken idea that is would reduce shipments and curtail the freight business, but broad minds like Mr. Hill's look beyond that and see relief to the freight jams and the periodic car shortages, as well as the general relief to trade and the cheapening of supplies. We are glad to note that prominent papers are taking the same side of the question, and arguing it to the same desirable result.

Commenting on these remarks by Mr. Hill, the Indianapolis Star said:

Under our present system of doing business, goods pass through entirely too many hands. This not only delays the delivery, which in some cases causes a deterioration of the goods, but adds to their cost to the consumer.

Whether consciously or not Mr. Hill by his suggestion to the millers has offered one of the best methods of reducing the cost of living that will be available until there is a reduction of the tariff to reasonable figures, permitting the possibility of foreign competition and the consequent diminution of the arrogance of the trusts. He has in a word recommended the elimination of as many middlemen as possible. The entire elimination of middlemen is neither possible nor under the existing organization of society desirable. Up to a certain point they facilitate distribution, but beyond that point there is no doubt that they retard distribution, cause unnecessary work and add to prices.

That is the Equity system precisely. We would have shippers, not only of grain but of all other commodities, ship directly to the points where needed, and we would have the same done with manufactured articles. This would eliminate market gluts that bring infinite loss to producers and are of benefit to none but speculators. Under such a system there need not be at any season transportation demands that could not be met, and car famines would cease to be a menace either to shippers or transporter.

We make no war upon middlemen, handlers between producers and users, for they are necessary factors of trade and commerce, and in passing the article from the maker to the user. But we are opposed to too much of anything. The system now in vogue, the gathering in centers for redistribution, requires too many handlers, and creates too many fees for the user to pay. Direct shipments, as per the Equity System, taught by this paper, will make the surplus middlemen unnecessary, will relieve the products of the charges essential to the maintenance of their business, prevent central market gluts, save the losses from depressed prices and deterioration as a result of long holdings, bring quick returns to producers at better prices than now, give the users fresher supplies at lower prices, and enable the railroads to do the year's freight hauling in a year's time.

Too Much Party Rule

POLITICAL parties are a feature of the American government. Questions arise and policies are proposed that are differently viewed by different people. People entertaining similar views, and desiring the carrying out of similar policies, naturally drift together, and thus are formed political parties. This is the true idea of such aggregations of voters; but it must be confessed that the political parties of today are founded more on prejudice and tradition than on principle. A voter is a Republican because he has been and still is rather than for any specific thing he expects the party to accomplish when in power. He has a general feeling that the party to which he adheres will do better than the other, just what it will do better and how it will do it better he has no very definite idea. And the same is true of Democrats.

Well, that, we suppose, is partisanship and politics, and we scarcely know how government problems would be solved without political parties. But when any party places men in office, whether in congress or in legislatures, in presidencies or governorships, or in courts, those officials should cease to be politicians. They should direct every energy and ability to the policies on which they stood before the voters, but the offices are created for the public service of every body, and those chosen to fill the offices, should realize that they are the servants of all. Some recent administrations patriotically ordered government officials to be nonpartisan, to refrain from active work in party affairs, and serve all people alike and with equal fidelity. This was hailed by intelligent people as a happy indication of better government. But this salutary rule seems to have been sadly reversed lately. One can now scarcely hear anything from Washington but a detail of some effort to build up this or that party. The people as a whole are no longer known. The parties are all and in all, and the official adherents of the parties feel it their most sacred duty to boost the party. This is not now confined to the usual party leaders, but it extends to very high places, places that must necessarily be filled by the parties, but whose incumbents should rise above partisanship after their induction into office. For instance, read the following newspaper dispatch from Washington:

How to save the Republican party in the fall congressional campaign and how to save the presidency for the party in 1912 were two leading topics discussed by President Taft and his cabinet at the first of a three-day session.

A president is elected to serve the whole people, and his cabinet is chosen to assist him in doing that. But since the present reign at the White House began, little has come from Washington but a boost for this or that party. We wish the parties would perform their legitimate mission of concentrating the people on principles and policies, and choosing officers to carry out those principles, rather than to scheme to perpetuate those parties without regard to principle or the people.

What Are the People to Think?

WE copy the following newspaper dispatch from Memphis, Tenn., bearing date September 20:

Judge John E. McCall, before whom the Standard Oil Company will answer in federal court to 1,528 counts in indictments charging a combination in restraint of trade, has the power, in the event of conviction, to assess a fine of $30,480,000—nearly a million and a half greater than the memorable fine ordered by Judge Kenesaw Landis at Chicago. The cases will be heard at Jackson, Tenn., beginning October 24.

The people may well ask what does all this mean? The Landis fine referred to amounted to $29,240,000, and was assessed against the Standard Oil Company, after an exhaustive trial and conviction in a United States court at Chicago. But not a cent of the fine was ever paid. On appeal or some other process, the case was got into another court and reversed.

Now a similar charge of law breaking comes up in another United States court, presided over by another judge, in another state, and in a city distant from Chicago. What is the result? Why this play at trying and convicting criminals? If laws exist whose violation cannot be punished abolish the laws. If courts convict accused persons that are not guilty suppress or abolish the courts.

We are not so much concerned about the Standard Oil Company. If that concern violates the law it should be punished; if it does not violate the law it should not be harrassed by accusation and trial, and humiliated by conviction. But we are concerned about the law and the courts. If the people are expected to live obedient to the law, violations of the law should be punished, and the penalties they carry should be exacted from the violators. Else both law and courts will grow into disrepute. Quit accusing, quit bringing to trial, quit convicting, if there is a power somewhere that prevents the enforcement of penalties.

Or, do the newspapers lie about these things as in the dispatch printed above, and the Landis fiasco, and so many similar cases? If so, then there should be a reckoning with the press. The masses of the people, we may even say the independent masses, are becoming impatient. It is no wonder there is a Roosevelt, a LaFollette, and a Beveridge in the Republican party, and a Bryan in the Democratic party; radicals in the one and insurgents in the other. This everlasting "play" with the people is becoming unbearable.

Where Up-to-Date Farming Comes In

MANY potato growers in Maine, where the potato is one of the principal crops, lost heavily because they did not sell their product earlier. There was such a heavy crop, and the distribution was so imperfect, that the markets were practically glutted during all the season, and the prices went lower all the time.

Our plan, and that is what we teach, is a system that knows the conditions and keeps the farmers informed, and that sees to such a distribution as will put the product where there is a demand for it, and thus make impossible the glutting of markets. Had each potato grower in Maine been a reader of Up-to-Date Farming, he would now have been counting profits instead of nursing loses.

LAND VALUES.

LANDS are valued in proportion to the value of what they produce. It is the value not the quantity. Land that produces thirty bushels of wheat per acre that sells for only $15 is not worth so much as land which produces thirty bushels of wheat per acre that sells for $30. We wish farmers could get fully impressed with this truth. It is not the quantity of the product but the value of it that increases the value of the land. Hence a successful effort to increase the price, to make it equitable and steady, is of more value to the farmer than is a successful effort to increase the yield.

Note the point we are coming to. The new census figures show that land values have greatly increased within a very few years, the greatest increase being in the middle west. In that region there is no special increase of production per acre, but there has been a great change in the methods of marketing, and a marked increase in the price. Hence an increase in the value of the product and a corresponding increase in the value of the land.

Any sincere advocate of anything is glad when evidence is given him of the success of his efforts. During the very years which show this increase we have promulgated the Equity System of trade, and urged farmers to adopt different methods of marketing. Our teachings have been accepted by many, and the results have been what we predicted, whether the result of our agitation or not. We would not glory, but we would still urge farmers to keep in mind that the price of products determines the income derived from them rather than the quantity produced. We do not oppose an increase of the yield; we favor it; but we urge the Equity System of Marketing instead of the dumper system. Have hungry markets instead of glutted ones. Send the stuff where it is needed instead of where there is already a surplus.

UP-TO-DATE FARMING has been ahead of all other farm papers in teaching the system of marketing farm crops. While other papers and farmer's institutions have constantly taught how to produce more, this paper has steadily taught how the marketing of crops must be done to compel good prices. Thus, it has been a guide to a great army of farmers, even beyond its list of subscribers; has lifted agriculture up, through the prices paid for crops, and has saved many farmers from poverty and failure. It is not strange that farmers accept this paper as their chief counselor and guide to prosperity on the farm.

THE BUYERS AS FACTORS.

A WEAKNESS of most farm organizations is and has been that they make their arrangements to sell without taking the buyers into account. It is a business maxim that "it takes two to make a bargain," and that is as true in selling farm products as in any other deal. It may be so sometimes that one side makes the terms, and nothing is left to the other but to accept or reject the terms, to take the article or leave it alone. This is the way bargains are generally presented to farmers in the purchase of their supplies; and it has heretofore been so in the selling of their products.

That condition of things prompted us years ago to begin the fight for Equity, and the awakening that has followed the commencement of that fight has prompted us to keep it up through all the years. But it is so easy to go from one extreme to the other. There is just as great a lack of equity in farmers ignoring the buyers in making their terms of sale as there is in buyers ignoring the sellers in making prices.

Equity in all the relations of life will be more quickly established by recognizing the rights of all parties, duly regarding the interests of each, meeting on equitable grounds, through representatives of course in the case of large farm product sales, and arranging terms equitable and fair to both sides.

IT IS GRATIFYING.

We clip the following pointed paragraph from one of our prominent farm exchanges:

Are you going to be a dumper this season, and throw your grain on the market before threshing is scarcely over, or are you going to hold your grain just a few days, and thus secure the rise in price, which occurs ninety-nine seasons out of a hundred?

That is good doctrine, but until Up-to-Date Farming had proclaimed it and overcome all the ridicule the press could hurl at us, who ever found such expressions in farm papers? We have no disposition to glory, but we feel proud of our success in compelling the recognition of a doctrine that means so much to agriculture.

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

MINIMUM PRICES

We believe the following are fair and equitable minimum prices for the crops mentioned. We believe conditions of supply and demand are such that these prices will be paid before the next crops are produced. Certain it is that, if producers will hold their crops and ask these prices they will be paid, because the world of consumers cannot get along without them. The farm price will be the minimum price less freight and a fair commission to the handler.

Minimum prices on other crops will be announced later.

WHEAT—No. 2 red, at Chicago.....$1.20
OATS—No. 2 white, at Chicago..... .47
BARLEY—Good malting, at Chicago.. .75
TIMOTHY HAY—Choice, at Chicago
Per ton .....$20.00@21.00
CATTLE—Choice to Fancy Steers, at Chicago, per cwt.....$7.50@8.50
HOGS— At Chicago, per cwt..$7.50@10.00
RYE—At Chicago ..... .75
BUCKWHEAT—At home ..... .85
BEANS—At Detroit .....$2.75@3.00
BROOM CORN—At Chicago, $150@175
COTTON—At Galveston, New Orleans, etc., per lb. 15c

WESTERN RECEIPTS OF GRAIN

Comparison, Oct. 4.	Bushels.	A year ago. Bushels
WHEAT	1,138,000	2,289,000
CORN	597,000	724,000
OATS	599,000	723,000

WE consider there is a decidedly better tone to all grain prices, the result of less marketing. Dumping has evidently run its course and the grain is now in strong hands.



These people have their minds well settled on values and we predict there must be some improvement in the prices of wheat and oats before they sell. If it costs $1 a bushel to produce wheat in Indiana what does it profit a farmer to sell it under that price or even at it? The minimum price we carry at the head of this department, if the farmer could get it, would even then pay him a lower salary than any other American laborer. We have faith that there are millions of farmers in the country, with a true application of the services they are performing for mankind, that will demand a fair reward for labor and not part with what represents their labor except at their own price. If we are right then the minimum price for wheat, and also for the other articles, must eventually be paid. We advise our readers to hold for them and what is very important, tell their neighbors to hold too. The best way is to get all of them to subscribe for this paper and then we can tell them just as we are telling you, and give the reasons therefor.

After all the crop scare changes were rung on corn, that crop is now safe from frost and it will be a big one. Whether it will be a record breaker remains to be seen. But considering the favorable weather that prevailed generally, during the weeks covering the finishing process we would not be surprised if it was pronounced the greatest crop the country ever produced, considering the enlarged acerage it could do this and yet not break the high acre yield.

Cotton crop prospects have improved. Potato yields are variable, being very light and of poor quality in the north west but increasing in quantity and quality as we go east. It will be such a crop as will sell at splendid prices if growers will market gradually and judiciously. Contrary to the experience of last year, growers who hold over will not lose by it, although the price should be good all the season. Reports are that some foreign countries that raise many potatoes have large crops and expect to ship to this country. If this report proves true, then very high prices will not be seen. The duty of 25 cents a bushel, freight and expense of handling will, however, insure good prices for all domestic stock.

The following figures tell the market story. These figures are valuable as they show the comparisons of visible supply and prices. They may be a barometer to guide any reader whether it will be wise to market now or hold. For down-to-date market reports see another page "When to Sell, Where to Sell and How to Sell." Also, the sixty-three representatives of our System of Marketing, on as many large markets, will quote their respective markets, by wire or letter, on request. The mission of UP-TO-DATE FARMING is to assist farmers to market their crops at the best prices and there is very little in our paper that does not bear on the marketing end of farming.

VISIBLE SUPPLY

The visible supply of wheat, in the United States, by Bradstreets' reports, on Sept. 24, was 43,283,000 bushels. That was 4,032,000 bushels more than two weeks before, 20,190,000 bushels more than a year before and 7,406,000 bushels more than two years before. A year ago in a corresponding period the increase was 3,241,000 bushels. The two weeks preceding, this year the increase was 4,833,000 bushels and the two weeks before that it was 8,892,000 bushels.

The visible supply of corn on the same date was 7,735,000 bushels. That was 1,169,000 bushels more than two weeks before, 2,708,000 bushels more than a year before and 2,673,000 bushels more than two years before. The corresponding year before showed an increase of only 405,000 bushels.

The visible supply of oats on the same date was 29,498,000 bushels. That was only 266,000 bushels more than two weeks before, 11,540,000 bushels more than a year before, and 17,459,000 bushels more than two years before. The two weeks preceding this year the increase was 7,591,000 bushels, the corresponding two weeks last year the increase was 1,691,000 bushels.

The visible supply of barley on the same date was 2,479,000 bushels. That was 858,000 bushels more than two weeks before, 950,000 bushels less than a year before, and 4,921,000 bushels less than two years before. The two weeks preceding this year the increase was 643,000 bushels, the corresponding two weeks last year a decrease of 431,000 bushels.

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	Sept. 23, 1910	Sept. 16, 1910	Sept. 24, 1909
American ...	972,133	831,079	1,776,928
Other kinds .	604,000	619,000	368,000
Total	1,576,133	1,450,079	2,144,928

The total visible increased 160,135 bales in two weeks.

PRICE OF COTTON—New York, Oct. 3. Middling upland 13.90c; middling gulf 14.15c. The price is the same as two weeks before.

CLOSING PRICES OF CASH GRAIN

(October 3, 1910.)

CHICAGO—Wheat No. 2 red 96@97½c; two weeks before, 97¾@98¾c. Corn No. 2 white, 52c; two weeks before, 54@54¾c. Oats, No. 2 white, 34@34¾c; two weeks before, 34¾@35c.

ST LOUIS—Wheat No. 2 red, $1.01@1.03; two weeks before, 99¼c@$1.03. Corn, No. 2 white, 51½c; two weeks before, 56@56½c. Oats, No. 2 whote, 34¾@35½c; two weeks before, 35½c.

KANSAS CITY—Wheat, No. 2 red, 98c; two weeks before, 98c@$1.01; No. 2 hard, 98½c@$1.00; two weeks before, 98-@-$1.03. Corn, No. 2 white, 50¾c; two weeks before, 54c. Oats, No. 2 white, 32@34c; two weeks before, 34@35c.

CINCINNATI—Wheat, No. 2 red, 99c@$1.01; two weeks before, 99c@$1.03. Corn, No. 2 white, 54@54½c; two weeks before, 54½@57c. Oats, No. 2 white, 35¼@36c; two weeks before, 35@37½c.

NEW YORK—Wheat, No. 2 red, $1.01¾; two weeks before, $1.04⅝. Corn, No. 2 white, 59½c; two weeks before, 61½c. Oats, No. 2 white, 39c; two weeks before, 40½c.

MINNEAPOLIS — Wheat, No. 1, hard, spring, $1.10@1.12½; two weeks before, $1.12½; No. 1 Northern, spring, $1.09⅛@-1.09⅜; two weeks before, $1.11¼@1.12.

FUTURE GRAIN PRICES

Chicago grain futures closing Oct. 3, 1910:

WHEAT—Dec., 96¼c; May, $1.02¼c; two weeks before, $1.00½ and $1.06¼ respectively.

CORN—Dec., 49½c; May, 52⅜c; two weeks before, 51c and 54¾c respectively.

OATS—Dec., 32⅝c; May, 35⅝c; two weeks before, 33⅜c and 34⅞c respectively.

PRODUCE MARKET

(October 4, 1910.)

POTATOES—A steady feeling prevailed. Trading was light. It was raining this morning, which had a tendency to keep buyers out of the market. Michigans are meeting with the best sale at present. The quality of the main arrivals is good and buyers are taking them in preference to either Wisconsin or Eastern stock. Wisconsin are coming too green to be suitable for the best trade. Eastern stock is moving slowly and there were fair offerings. Arrivals today were estimated at about 43 cars.

Sales reported were: 1 car Wisconsins, green, at 48c; 2 cars do, at 50c; 1 car choice Michigans at 58c; 2 cars do, (1 car late yesterday) at 60c.

The market was quotable as follows:

Per bushel, New Jersey, Green Mountains, choice to fancy	$ 65@....
Maine Cobblers, good	62@ 65
Michigan, round, white, small and good to choice.....	53@ 60
Wisconsin, small, or immature, as to condition, outside for ripe..	45@ 55
Sacked stock, good to choice....	55@ 58

The price is 10c to 12c lower than two weeks ago.

HAY—The demand continues good for the better grades of both Timothy and Kansas Prairie Hay. Offerings small and prices firm. Low grades in liberal supply and quiet. Demand light.

Choice Timothy Hay	$18 50@19 50
No. 1 Timothy	17 50@18 50
No. 2 Timothy	14 50@15 50
No. 3 Timothy	12 00@14 00
Kansas and Oklahoma Prairie choice	15 50@16 00

The price of timothy hay is the same as two weeks ago, of Prairie 50c a ton lower.

BROOM CORN—Trade is still dull and slow; it does not seem to improve. There is little Corn coming in.

Per ton, new Corn, depending on quality	$ 90 00@140 00

The price is $10 to $20 higher than two weeks before.

BEANS—Not very much doing. Pea Beans sell moderately. Demand is in a very moderate way and yet there is enough of it to take what Beans there are coming. Of other kinds there are no stocks to speak of and market as yet about nominal for all but Pea Beans.

Pea Beans—	
Hand-picked, choice	$2 45@2 55
To arrive, prompt shipment.	2 35@2 37
Prime	2 35@2 40

Mediums nominally about same as Pea Beans.

Red Kidneys, no spot quotations.

Brown Swedish, no present quotation.

Limas, California, per 100 lbs, no spot market.

To arrive	$5 50@....

The price of Pea Beans is about 10c a bushel lower than two weeks before; others about the same.

APPLES—An easer feeling prevails. Prices have not changed any to speak of. The milder weather is not favorable to trade. Demand has tamed down somewhat. The market is amply supplied.

Prices range as follows for standard barrels:

Maiden Blush, good to choice, $3.50@4.00; fancy, $4.25@4 50; Pippins, No. 1, $3.50@-3.75; Rambo, $2.75@3.00; Greenings, fancy, $4.00; Grimes Golden, fair to good, $3.00@-3.50; choice, $4.00; Ben Davis, No. 1, $2.75-@3.00; cooking apples of different kinds, good to choice, $3.00; No. 2, $1.75@2.00; common, wormy, fallen fruit, $1.50@2.00; etc. Western box apples, per box: Wolf River, $1.25@1.50; Maiden Blush, $1.35@-1.50; Jonathan, $2.25; etc.

EGGS—The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week. Cases.	Last week. Cases.	Last year. Cases.
Monday	5,101	7,348	8,247
Tuesday	6,261	7,912	9,888
Total	11,362	15,260	18,135

The market is quoted steady. The demand still remains fair, with the inquiry principally for strictly fresh stock. There is a local and also outside demand for the fresh-laid Eggs, and they sell readily. The poor lots—Eggs which have been held and shrunken Eggs, or stale mixed with fresh lots—do not sell so easily and prices for these cover an irregular range, depending on the quality.

The fololowing quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 18@-21c, depending on quality. Ordinary Firsts 21c; Firsts 25c; Checks or Seconds 13@14c; Dirties, according to quality; Refrigerator April Extras offered at 24c, and 22½c was bid. June Firsts offered at 22½c.

The price is about 1c per dozen higher than two weeks ago.

For down-to-date reports on markets apply to the representatives of The Equity System in sixty-three cities.

When to Sell Where to Sell How to Sell

WHENEVER you have anything to sell sell it through THE EQUITY SYSTEM, which is the business plan of the Farmers Society of Equity. Read the following market reports carefully. They will give you valuable information. Select the markets that appear to be the logical ones for what you have to sell and ship at once or write first. EXERCISE GOOD JUDGMENT. Don't ship small lots to distant markets, but car loads. If you have not enough get your neighbors to join with you.

There is a difference of 5c, 10c, 25c, 50c or even a dollar or more per unit in values on different markets. The Equity System enables you to SELECT THE HIGHEST ONE. Then the local buyer charges figures like these also for doing your business. What's the use of standing these taxes?

Farmers must do more of their own business and close the toll gates. The best way is to organize a local union of the Farmers Society of Equity when the secretary will be the BUSINESS AGENT for all the members. While waiting for that do your own business direct through The Equity System.

EVERY REPRESENTATIVE IS VERY RESPONSIBLE and with high commercial credit. Financial and credit reports will be sent on request.

Always address "THE EQUITY SYSTEM" at the markets you select. There are also many more markets represented than those below. If you want to know how you can get the complete directory send the heart coupon on page 22 of this number.

FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.

ALABAMA

BIRMINGHAM—We need a heavy supply of apples, potatoes, cabbage and rutabagas, and other produce. We want to quote net prices to those who have them to ship.—THE EQUITY SYSTEM.

MOBILE—This market wants oats, corn, hay, beans, potatoes, onions, apples, cabbage, cheese, poultry, dried fruit, etc. Let us quote our prices.—THE EQUITY SYSTEM.

HUNTSVILLE—If you have No. 2 mixed or yellow corn, No. 2 white oats, timothy or timothy and clover mixed hay we want to quote this market's price.—THE EQUITY SYSTEM.

MONTGOMERY—Write or wire us what you have for our prices. We need grain, fruit and vegetables.—THE EQUITY SYSTEM.

ARKANSAS

FORT SMITH—Cabbage, onions and potatoes; also corn and oats needed here.—THE EQUITY SYSTEM.

CALIFORNIA

LOS ANGELES—Urgent demand here for eastern eggs. We also want hay, grain, broom corn, live stock, poultry, cheese, rice, peanuts, pecans and nuts of all kinds, except walnuts. Advise shippers in the middle west and coast states to get in touch with us by letter or night telegram.—THE EQUITY SYSTEM.

COLORADO

DENVER—We want first class fruit and vegetables. This is a big market for grain and live stock. As values change frequent tell your members to get our delivered prices.—THE EQUITY SYSTEM.

GEORGIA.

MACON—Our market seeks red and yellow globe onions, bulk or sacked in 100 pound bags, also apples, cabbage, Canadian turnips, oranges and lemons. Also feed grain and hay. We must have good stuff honestly packed.—THE EQUITY SYSTEM.

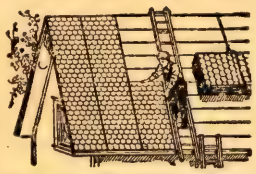
ILLINOIS

CHICAGO—A good many articles are selling on our market extra well at present and we mention Irish potatoes, sweet potatoes, apples, cider, poultry and eggs. Also Kiefer pears. Will be glad to give our personal service to the Equity people at all times and remind them that Chicago con-

(Continued on page 23.)

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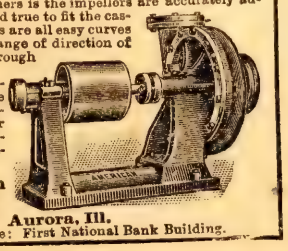
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UP-TO-DATE FARMING

Production and Marketing

NO WORN OUT LAND.

We often read in public print about worn out and abandoned farms in the East, and of failing farms in the rich Middle West. But there should be no worn out land in the United States. Nature made the land fertile, and has liberally provided every means of keeping it so. But since man's methods of cultivation absorb the fertility, man must employ the means to restore the fertility.

The first essential is humus—decayed organic matter. Ages of wild growths, before man disturbed the surface, stored the soil richly with this important element; in fact, made the soil of it. Constant stiring, however, and exposure to the weather, and man's greedy nature taking from it whatever vegetable growths it made, exhausts this supply and robs the land of life and the ability to produce. But how easy the lesson and how simple the problem of restoration. Since the humus was formed by the return to the earth through death and decay, of the growths it had made, man ought to know what must be done in order to restore it, and his implements enable him to greatly shorten the process of nature. He may do in a season what it took nature years to accomplish. Turn under a season's growth. If the land is badly exhausted, be patient. Grow some simple crop, and turn under another season's growth, and so on. In much less time than it took to exhaust it the land may again be made rich in humus.

But to be productive soils must have plant food, elements the plants may draw upon to build themselves and produce seeds. One of the most important of these is nitrogen, and nature has given an inhaustable supply of that in the atmosphere that surrounds the whole earth to a heighth of more than forty miles. But again it devolves upon man to make use of the means. There are plants which draw this element from the air and give it to the soil. These plants comprise the large family of legumes—the clovers, alfalfa, the peas, etc., all of which are distinguished by nodules that form on their roots. These nodules are the homes of minute organisms that do the work, just how no body seems to know.

Here is the solution. Grow these crops. And they are the very best growths to turn under, since they not only provide excellent material for making humus, but they, in a degree, return nitrogen, phosphorous and potash. Land on which these crops are grown and turned under cannot be unproductive or worn out. And all this may be done while other crops are being grown at intervals.

A bad practice, and to which may be traced most abandoned land, is running it uninterruptedly to crops that are removed, until it is no longer profitable to cultivate it, and then turn it into a neglected pasture, to wash out in ditches and go to waste generally.

But even then nature is at work, and is doing her best to restore it. Pasturing does improve land, but it is a slow process, and it is a mistake to choose the impoverished land for pasture. Pastures ought to be productive so that they may be relied upon for stock food. It is good as a rotation, a season of rest and change for the soil, but it is not profitable to depend upon land that is "not fit for anything else."

In the first place, don't let land get so it is "not fit for anything else." Restore to it what has been taken from it, by all the means available—the process mentioned above, the barnyard manure, and everything else, that ingenuity and intelligence can suggest, even if necessary to resort to the direct application of the elements as found in commercial fertilizers. There should be no worn out land.

HUMUS THE SOIL'S LIFE.

HUMUS is the life of the soil, and it is the safety valve of the growing crop. There should be an abundance of humus in the soil, and it should reach deep down. It's principle source is the turning under of growing stuff. For this purpose leguminous crops are best, on account of the nitrogen they take with them, but any vegetable growth or vegetable substance, such as weeds, grass, straw, corn stalks or fodder, sunflower stalks or leaves, trash-laden stable manure; all or any of them decay into humus, and bring the soil into health and activity. Soil rich in humus may be successfully worked wet or dry, whereas soil without humus, if worked too wet breaks and becomes hard. Plants cannot then grow in it. If dry it is hard to work and the plants are very likely to be injured. There is nothing in reach from which to draw moisture. on the other hand, the humus holds moisture as a sponge, where it is always available.

Turn under something at every breaking, and turn it under deep. But whatever is turned under must have time to rot before it is humus.

THE REVERSIBLE PLOW.

THE reversible plow is an implement that is not estimated at its full value on the farm. It is usually confined to hillside service, but there are many cases where it would be decidedly useful on ordinary level farms.

The reversible plow may be made to throw the dirt to the right or to the left as the operator may desire. The adjustment is simple and quickly made. In plowing near creeks or fences, or in points of land, in curves of creeks, it is often important that the dirt be turned all the time one way. This cannot be done with the unreversible plow unless a round trip is made for each furrow, plowing one way and dragging back the other. Not many will do that, and the result is usually an open furrow where one should not be. With a reversible plow each trip may plow a furrow, and the dirt be thrown the same way each time.

THE FARMER THAT HUSTLES.

THE successful farmer is the farmer that hustles, and that plans his business intelligently. It isn't all in hard work; it is in working to advantage. There are psychologic moments in a farmer's life as well as in the life of a salesman or a lawyer. Many jobs if done today would be done easy and to advantage; if delayed till tomorrow they might be much more difficult and almost barren of good results.

Gains must come from something that is growing. It may be a plant from the soil or a young animal. In either case, see that it has a chance to do its best. It gains but little in a day, if a plant, oh, how little, but if a field of wheat or corn the millions of plants make millions of little gains until thew grow into the aggregate of a matured crop.

So of everything. The gains come by the little, and they have little moments to come in. It is hustle; work, watch, wait; but see that all is done and that each job is done in its time. Have something coming all the time.

The Youths' Companion is a household name. For young folks no better paper is published. And it is equally interesting and valuable to the grown-ups. The publishers are making a special offer right now, and those who subscribe get a beautiful work of art free, in addition to an extension of their subscription. Look up their large advertisement in another part of the paper.

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It has a rough surface of **real mineral matter** on the weather side. It is evident to anyone that it is no more necessary to paint such a surface than it is necessary to paint a stone wall. Stone needs no paint; neither does Amatite. It is strong enough in itself to bear the brunt of rain and wind and sun without a coat of paint.

To paint Amatite would be a waste of time and trouble.

Amatite will last for many years without any care whatever. It is made to be **trouble proof** as well as **weather proof.**

No paint is good enough to make a durable roof; a thick layer of pitch, faced with a real mineral surface, is far better—**and that means Amatite.**

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$1200 to $3000 a Year
At Home or Traveling



Prof. Jesse Beery is acknowledged to be the world's master horseman. His exhibitions of taming man-killing horses, and conquering horses of all dispositions have thrilled vast audiences everywhere.

He is now teaching his marvelously successful methods to others. His system of Horse Training and Colt Breaking opens up a most attractive money-making field to the man who masters its simple principles.

Competent Horse Trainers are in demand everywhere. People gladly pay $15 to $25 a head to have horses tamed, trained, cured of habits—to have colts broken to harness. A good trainer can always keep his stable full of horses.

If you love travel, here is a chance to see the world, giving exhibitions and making large profits. You will be surprised to learn how little it costs to get into the Horse-Training profession.

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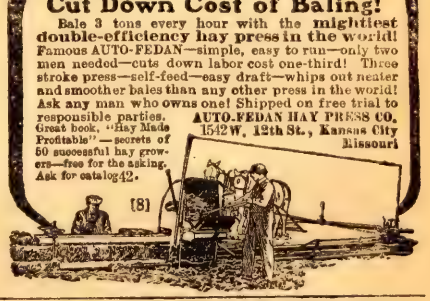
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We furnish best ingredients and tell you how to mix fertilizer that will produce big crops on your soil. Our plan will interest you, our system will save you money. Write today for complete information.

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FARM LANDS OF THE WORLD.

IT is estimated that the world's total area of fertile land is 28,269,920 square miles. This is a total of 18,092,748,800 acres, and would make 113,079,055 farms of 160 acres each. But since 40 acres may easily be made to supply a family, we may say the world affords room for 452,316,220 farm homes and may support that many farm families, the families being multiplied by five to reach the number of people, which swells the farm population limit to more than two billion souls.

This land is not nearly all so occupied, and all the living people on earth does not reach that number. Hence there is no need for farmers to be discouraged, nor for the other classes to fear that they may not be fed. There is plenty of room for work, and farmers are all the time learning better how. If there is such a thing as race suicide it has not yet struck the farms very hard. With the improved methods of farming and the Equity System of Marketing, the predicted starvation of the world, is at least as far away as the longed for millenium.

DON'T WORK TOO HARD.

NOT many men do, it must be confessed; but now and then a farmer does. We have in mind now at least two of our boyhood acquaintances who literally worked themselves to death, and others who worked so hard as to make life little else than a burden. These were all poor men, but they were industrious and ambitious. They took pride in their families, and had a mania (perhaps we are using too strong a term) for making nice homes, accumulating property and improving their condition. In every case they succeeded, but it was at the expense of comfort, of health, and of long life.

We have nothing but contempt for the laggard and sluggard, the man that has not ambition enough to close a gate or put up a rail that has fallen from the fence, and who is always sorry when it is late enough to go to work and glad when he can find an excuse to quit, but we are sorry for the man who overdoes his strength and permanently wears his life away. Some, a few, do it.

SHELTERING AND HOUSING.

STOCK is high, and so is feed. Farmers cannot afford to waste the one or mistreat the other. It is well known that unhoused and unsheltered stock require more feed than those that have dry and comfortable quarters.

We take it for granted, then, that in these progressive days, all farmers will thus provide for their stock of every kind. But we have known good houses left entirely without feeding places, the feed being thrown to the stock in "any old way." This is more than wasteful; it is cruel to the stock, and often compels them to eat filth they would not eat otherwise. If hay or fodder is fed there should be good racks to feed it in, so that it cannot be got under foot, and the stock may eat at their quiet leisure. If grain or chops is fed there should be a good, tight box or trough to feed it in. No farmer need be told what a saving there is in these simple preparations. Feed saved is feed gained.

THE DRAINS AND DITCHES.

A LATE fall job too often neglected is to examine and open up the drains and ditches. Many farms have small creeks running through them. More or less trash will gather in these creeks and wash into drifts, obstructing the flow of water and causing the creeks to overflow during freshets. More damaging washes in fields are caused by these obstructing drifts than by any other cause. In the fall of the year, before the rainy season begins, these drifts should all be cleaned out, and everything removed that would hinder the flow of water or catch anything that would form an obstruction.

So of the smaller ditches and drains. See that they are open and free from obstruction. Their purpose is to carry the excess of water away from the fields. If clogged up they cannot do it, and in such condition they sometimes do more harm than good. During the growing season of spring and summer they are very likely to become obstructed, and they should be carefully opened up every fall.

Ditches may start where they are not desired and would be harmful. These invading ditches should be carefully and effectively filled up before the fall rains set in. Field wastes are good to do that with. In meadows especially there is always more or less waste stuff left on the ground. This stuff should be removed anyhow, and it should be trampled into the breaks and washes. Straw, corn stalks, cut weeds, small brush, these all form good fillers, and they should be thus utilized. Land is too valuable to allow it to be washed away and lost.

CASH OR CREDIT.

One of the largest stove manufacturers in the country is the Kalamazoo Stove Co., Kalamazoo, Mich. They sell their stoves on cash or credit, and allow the purchaser a 30 days free trial, and in addition a 360 day approval test. If you are in need of either a good cook or heating stove you should by all means have their catalogue No. 290, free for the asking.

Ever try a low-down Handy wagon on your farm? It saves backaches, sore arms, hard labor, time, and horse flesh. If you have never tried one, its use will be a pleasant revelation. You don't have to buy an entire wagon, but can have the broad steel wheels fitted to the running gears you already have. Write to Empire Mfg. Co., Box 100 H, Quincy, Ill.

NEVER SATISFIED.

The city fellow delves away
And all the while
Keeps adding something day by day
Unto his pile.
He talks about the country's charm
And hopes to buy himself a farm.

The farmer tills the stubborn soil,
Subdues the sod,
And banks in autumn for his toil
A goodly wad.
And when enough he's settled down
He hopes to go and live in town.

IT DIDN'T TROUBLE HIM

"How am I getting along, Doc?" he asked, impatiently.

"Very well, I think. You have some fever, but that don't trouble me."

"No; and if you had fever it wouldn't trouble me either," he rejoined gruffly.

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FREE — At Our Risk —

Guaranteed 3 Years
Triple-Power—All-Steel

Clear up your stumpy fields with the 3-year Guaranteed Hercules, now sold on 30 days' Free Trial. Test it on your place at our risk. Pulls stumps out, roots and all. 400% stronger than any other puller made. Triple power attachment means one-third greater pull. The **only** stump puller guaranteed for 3 years. **Only** one with Double Safety Ratchets. **Only** one with all bearings and working parts turned, finished and machined, reducing friction, increasing power, making it extremely light running. Hitch on to any stump and the stump is bound to come. Also pulls largest-sized green trees, hedgerows, etc. Don't risk dangerous and costly dynamite. It only shatters stump and leaves roots in ground.

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We have a special price proposition to the first man we sell to in new sections. We are glad to make you a special price on the first Hercules sold in your community because that will sell many more for us and save advertising. Write us at once to get this.

HERCULES Stump Puller

Just write a postal for our special price—30 days' Free Trial and all FREE BOOKS about the only All-Steel, Triple-Power Stump Puller—the Famous Hercules.

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A CART LOAD OF FUN

This is the name of our book that should be in every home. More fun to the square inch than a cage of monkeys. A "cart-load" indeed. Space will not permit of our telling much about this book. Take our word for it, that it is worth many times our price. If you are not satisfied we return your money on request. Among the titles of the anecdotes and stories contained in "A CART LOAD OF FUN" are the following: "A Man with a Liver," "Pumpkin Pie," "Potts and the Lightning-Rod Man," "How to Go-a-Courting," Baumgartner's Dog." "Stowe's Elephant Story," "Marriage a Scheme to Manufacture Happiness," "Mrs. Jones' Burglar." "Deacon Amos Tenderloin Discusses Dudes," The Sad Case of Fillay du Biff," "A Primeval Scrap," "A One-Horse Hotel." "He Concluded not to Commit Suicide," "Queerly Married." "Hannah was Aroused," "How the Tired Patient Man had His Feelings Upset," "Jone's Baby." "Breaking up a Cat Concert," and 148 others. "A CART LOAD OF FUN" is a book of 64 large double column pages, neatly bound in attractive colored paper covers price 10c each, 3 for 25c; postpaid. **COONER & FORTUNE CO., Indianapolis** **FOR 10 cts.**

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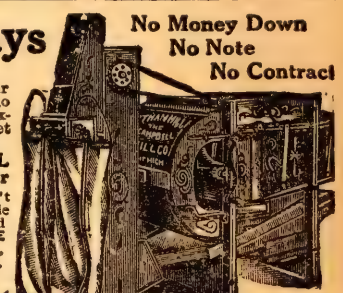
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Cleans and grades all kinds of seeds, grasses and grains. Don't grow weeds or thin stands. Land and taxes are too high. Double the crops, get better crops and have high-priced seed to sell. Send postal now for my factory price, liberal terms, and get **FREE BOOK No. 169.** Tells how thousands are making big, extra profits with a Chatham. Send your name by next mail. Address Manson Campbell, Pres.,

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Write us now in regard to our money-saving Gasoline Engine proposition. Give size of engine wanted, so we can give you the exact information you require. Don't fail to write, *right now*, so you can be put right. *30 days' free trial.* Prompt Shipment.

Importance of Writing Now and Giving Size

BUYERS! Do yourself and us a big favor by mailing us your name and address on a post card, today, giving us the size of engine you need and the use you will put it to.

Quick action on your part is demanded to get this first offer. Don't buy or order an engine until you hear from us. You owe that much to your pocket-book, and every ***day you use our engine you*** will appreciate the service we render.

QUALITIES OF GREAT IMPORTANCE

Write for particulars of an engine that gets up-to-date power from every quart of fuel—one that has the record for lowest up-keep cost—that is specially ***adapted for your use—that is why we want size and purpose stated.***

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Write for information in regard to an engine that is the quickest and easiest starter made. Thousands of engine users waste time and wear themselves to a frazzle in starting their engines, owing either to cumbersomeness or to weather conditions. Mr. Beverly D. Beebe, Easton, Md., has three gasoline engines of three leading makes. He writes us: "I can start the Temple on a cold morning five times while starting either of the other engines once." Our mails are full of such comparisons.

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Write for the facts regarding a Slow Speed, High Duty Engine, which is quickly, easily and cheaply moved from job to job on the farm, or hauled without being mired over bad roads. It requires a team of horses to move 90% of the average sized engines made. Not so the Temple! We save that loss of time and money. Writes Harvey C. Reilling of N. Girard, Pa.: "Two men can push a 6 H. P. Temple Engine about the farm, while it takes a team of horses to draw a horizontal engine of same size."

An Engine That Pays For Itself

We conscientiously claim that in economy of oil consumption, in quick and easy starting, in the saving of labor in moving from job to job, in the perfection of lubrication and overcoming of vibrations, in the steadiness of power, thereby saving all waste of grain and reducing wear and tear on the machine it operates, that the ***Temple Engine Pays For Itself,*** that, in fact, ***It Costs Nothing to Buy.*** Write, therefore, at once and be sure to give size of engine you want and the intended use, so we can write you ***Just What You Need.***

The Temple Engine is the favorite Contractors' engine. We have scores of letters from Contractors saying ***"We get all the job work because we have a Temple."*** This is our 58th year, which means reliability and absolute justice to every honest buyer. 1 1-2 H. P. combination pump jack and power engines—3, 4 and 5 1-2 H. P. single cylinder engines, 6 to 20 H. P. double cylinder engines, 30 to 50 H. P. 4 cylinder engines.

We can ship promptly if ordered now.

THE TEMPLE PUMP CO.
456 W. 15th St., Chicago.

Especially adapted for operating all machinery requiring *steady speed motion*, Threshers, Ensilage Cutters, Separators, Dynamos, Cotton Gins, etc.

P & O

ENGINE GANG PLOWS

THE STRONGEST AND HEAVIEST MADE

We are the Pioneer Manufacturers of Engine Gang Plows. We have had the experience necessary to build plows that meet the demands of the exacting farmers of today.

P. & O. Mogul Engine Gang

Five Sizes—5, 6, 8, 10 and 12 Furrow



One of the leading plow men in the country said: "We have been up against the plow game; we have tried them all, but the Mogul is a little the 'slickest' yet." The Mogul is the latest and best, with new features not found on any others. Platform is level; levers bunched in the center, saving half the walking. Self-castoring gauge wheels and rolling coulters which do not interfere with each other. Simple and strong.

P. & O. Senior Engine Gang

Four Sizes; 3, 4, 5 and 6 Bottoms



The plow we have been making for years, the plow that is still doing business while other plows, weaker than ours, were strained or pulled to pieces long ago.

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Write for our pamphlet on Traction Engine Plowing. It fully describes the P. & O. Plows and gives valuable information as to the capacity of the different sizes, etc. To get this particular pamphlet, ask for Catalog No. E41

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Black Hawk Corn Sheller

$1.75



It is the standard. Everybody has heard of the famous BLACK HAWK SHELLER, hence we need not say much about them. This is absolutely the highest grade sheller on the market. Made of best material. Separates cobs from corn. Runs easy. Practically indestructible. Our *Special Price* only

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A good first-class sheller will save its cost in a week's use.

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will make your old farm wagon as good as new. Save money because they never need repairs. Write for our big free book telling all about them and how they pay. Empire Mfg. Co., Box100MQuincy, Ill.

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TO CONTROL MOTOR CAR EXPENSE

Present automobile owners and prospective purchasers of cars for 1911 who are asking themselves in what way the cost of automobiling is to be kept at a reasonable figure, will find food for thought in the following reply of B. A. Becker, general manager of the Elmore Mfg. Co., when the same query was made to him.

"Economy of maintenance," said Mr. Becker, "hangs squarely upon economy of speed. I expect to see a radical limitation of speed laws of well nigh national application, and shall welcome that day.

"We make a roadster, for instance, that is capable of a speed of sixty miles per hour, but I don't think that is anything in our favor. The ample power is necessary for hill climbing and bad road conditions. That it also affords the means for getting excess speed is only incidental. Nothing knocks out a car as rapidly as long continued fast work and this spells extravagance and useless stress upon every part of the car as well as on the tires.

"I think that the day is at hand when speeding will be condemned by every thoughtful driver, and the non-thinking kind will gradually see that they are being looked down upon, just as is the case today with those given to wanton waste in other respects.

"And there's still more to this subject. Few accidents take place that are not primarily caused by excess of speed. On the other hand, I think that most men who have driven for as many years as I have, will agree that a speed of from fifteen to eighteen miles an hour affords the most entertaining riding. Anything above that detracts from the interest in the surroundings that is a large part of the wholesome pleasure to be found in automobiling."

"We all agree that the farmer as a class is entering upon an era which will tend to make him the most independent citizen of which our country can boast. There is an unrest, however, among the youth of this class which should be alleviated if the farmer is to enjoy to the fullest extent the prosperity of his environment. As much as we enjoy our own prosperity much more anxious are we for the future and prosperity of our children. The present day tendency is for the boys and girls to leave the farm. This is in direct opposition to what has been demonstrated the past few years as being the wise move for the average boy and girl."—Lord & Thomas, Advertising Agents, Chicago, Ill.

How to keep the boys and girls on the farm and attract others to the farm is best explained in "Farmers Industrial Freedom," published by the Farmers Society of Equity.—Price 10 cents.

FARMER ADOPTS AUTO.

At four o'clock one morning recently John Harvey a farmer living sixteen miles from Indianapolis, loaded his eggs, butter, milk, chickens, cream and garden product into an Overland light delivery car and started to mark a new epoch in his rural career.

For years this respected son of the soil had hauled his farm products in a wagon drawn by a faithufl horse. It was an all-day job with the horse, and many times Mr. Harvey was forced to remain in the city all night.

With his automobile, about which his family was doubtful, he made the trip in one-third the time, and was home by the middle of the afternoon ready to do more work on his farm. He was delighted with the trip and covered more than twenty miles making his calls in the city. It took the horse, at its best, with the customary load, three hours to reach the edge of the city, but with the auto Mr. Harvey was in the heart of town in less than an hour. "I did not imitate Barney Oldfield, either," he said.

Arthur Brisbane the famous editor of the New York Journal said: "I would rather know that the money of this country is in automobiles than in banks to be manipulated. No man makes a mistake who buys an automobile in order to take his wife and children out for a little of God's fresh air." This is a strong endorsement for the auto. Did you ever think of it that way?

ROOFING GUARANTEES.

The makers of Congo Roofing have devised an interesting plan which gives the buyer absolute protection. With each roll of roofing is furnished a Surety Bond issued by the National Surety Company of New York, guaranteeing the faithful performance of the guarantee by the manufacturers. The guarantee on the three ply is for 10 years. A copy of the Guarantee can be obtained by addressing the United Roofing and Mfg. Co., 606 West End Trust Bldg., Philadelphia.

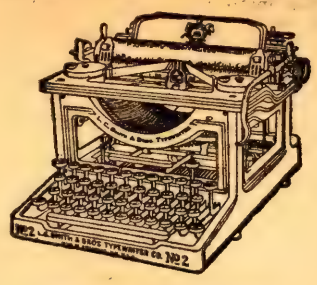
HER COMPLAINT.

Lady—I don't know why I can't get things at this postoffice. I have been expecting a package of medicine for two weeks.

Dudish Clerk—Sorry, Madam. State your complaint on this blank, and we'll send it in to the department.

Lady—(Sneeringly) Well, sir, it's indigestion and colic, but I didn't know I had to tell fellers like you.

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THE NEW MODEL

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Ball Bearing throughout, at all vital frictional points. Instantly ready for all kinds of special work, billing, card writing—anything needed of a typewriter. No attachments required. No special adjustments necessary. Just insert the paper and go ahead.

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How to Own The OLIVER Typewriter for 17c a Day

You don't have to draw on your Bank Account when you pay on the Penny Plan.

You need not disturb your Dollars. **Keep them at work earning interest!**

We offer our newest model, the Oliver Typewriter No. 5—fresh from the factory—for Seventeen Cents a Day.

The plan is printed in "black and white" on the Application Blank below.

Simply fill out the blank, attach the first small payment, send it in, and **on comes the Oliver!**

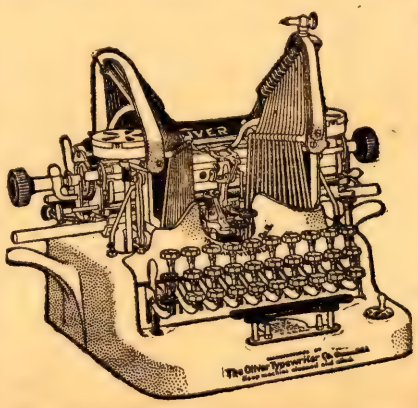
No tedious wait! No red tape! No long-drawn out correspondence.

You quickly own your Oliver and scarcely notice the outlay. You can have the use of your machine while pennies are "paying the freight."

You will never have a better chance to test the power of pennies.

The Oliver is **everywhere.**

It's the **universal** typewriter. Reels off real work with the ease and speed demanded by this mile-a-minute age. Wherever you turn—in Business Offices, great and small—in the quiet of the Home—in the roar of the Railroad and Telegraph service—in the seething maelstrom of modern Newspaperdom—in countless kinds of service—it's the sturdy, strenuous **Oliver** that's "making the wheels go 'round."



The OLIVER Typewriter

The Standard Visible Writer

You need your Oliver **now.** It's yours almost for the **asking.** The biggest hundred dollars' worth in America—for Seventeen Cents a Day!

Send along the Application Blank, with a small first payment of $15 as an evidence of good faith.

Your check is good—or send draft, postoffice or express money order.

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Gentlemen:—I accept your offer of the latest model No. 5 Oliver Standard Typewriter for Seventeen Cents a Day. Enclosed please find $15 as evidence of good faith. I agree to save 17 cents a day and remit the balance, $85, in monthly installments. Title to remain in your name until the machine is fully paid for.

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CHARMS AND SUPERSTITIONS OF HALLOWE'EN.

Hallowe'en, the festival of All-Saints, occurs on the evening of October 31st, after sunset. It commemorates an ancient festival which was instituted by the Celts and their priests, the Druids, to celebrate the inflowing of the harvest.

After the Christian era, Hallowe'en was dedicated to the Virgin and all the saints and the practices in its observance consequently changed.

During the Middle Ages fairies, witches, devils and disembodied spirits of all sorts were supposed to walk the earth and to have power on this night, above all others to reveal fortunes and to predict destinies.

Scotland is popularly supposed to be the home of Hallowe'en and has given us many of those strange customs and festivities with which the evening is annually celebrated. Burns, in his poem of Hallowe'en, describes to us many of the ways in which fortunes may be foretold.

The first ceremony is always the pulling of a stalk of kale. The young people, blindfolded, go hand in hand into the kale yard. Each must pull the first stalk he encounters. If it pulls hard, it is a sign of a long and arduous courtship. The size of the stalk fortells the height, shape or size of the future husband or wife. The amount of dirt which clings to it indicates the fortune and the taste of the heart of the stem is indicative of the temper and disposition. Finally the stalks are placed above the door and the names of the persons who pass underneath are the names in question.

Nuts also play an important part in the ceremonies. If a maiden wishes to know which of her lovers is most devoted, she places the nuts, preferably chestnuts, on the coals, naming them after the young men. If either nut cracks or flies away that lover will be unfaithful, but if the nut blazes or burns the young man's love is strong and true.

Another way is to name one nut for a boy and another for a girl. If the nuts burn quickly together all will go well and the pair will be united; if, on the contrary, they fly apart and snap at each other, a quarrel and a separation are indicated.

Burns mentions another charm, but to be successful these directions must be followed closely. Steal out alone to the kiln and throw into the pot a ball of blue yarn; wind it into a new ball and toward the latter end something will hold the thread. You must then ask: "Who holds?" An answer will come from the kiln-pot giving both names of the future spouse.

Burns tells us that Merran who tried this charm was so freightened when she felt some one holding the thread that she did not stop to ask the name.

Another charm is to take a candle and go alone to a looking glass; eat an apple before it and some people assert you must comb your hair all the while. The face of your future companion will be seen peering over your shoulder. This must be done at the witching hour of midnight.

Another, something on the same order, is to go down a flight of stairs backward, holding a candle and a glass. When the last stair is reached the face of the husband or wife to be will appear in the glass beside your own.

Still another superstition is the sowing of hemp. Steal out unobserved and sow a handful of hemp seed. Repeat now and then: "Hemp seed, I sow thee, hemp seed, I sow thee, and he (or she) that is to be my true love, come after me and harrow thee." Look over your left shoulder and you will see the appearance of the person invoked in the act of hoeing it.

Burns mentions another charm which must be performed alone and is somewhat difficult. Go to the barn and open both doors. Take them off the hinges, if possible, so that the being who is about to appear may not close them and harm you. Then take the sieve used in winnowing corn and go through the motion of sifting it. Repeat this three times and the third time an apparition will pass through the barn, in at one door and out at the other, having both the appearance of the person in question and the retinue or train denoting the employment and station in life. This is called "Winnowing three wechts o' naething.'

A charm which may be performed in company is to go to a south running spring or rivulet where "three lairds' lands meet," and dip in the left shirt sleeve. The person who performs the charm must then go to bed in sight of a fire, hanging the wet sleeve before it to dry. At midnight the exact figure of the future husband or wife will appear and turn the sleeve as if to dry the other side.

Another spell which is said never to fail is to eat salt before gong to bed. To speak or get a drink before morning will break the charm. In sleep the prospective husband or wife will appear and offer a cup of water.

The highest agricultural authorities have repeatedly called attention to the fact that a good fanning mill is the most valuable machine on the farm. Other machines do much toward reaping the biggest possible per cent of your crop, but the Fanning Mill goes back of that and increases—often doubles—the crop itself.

If you haven't a Fanning Mill drop a line to the Manson-Campbell Company of Detroit, Mich., and get their Free Book No. 169, telling of the value of a Chatham Fanning Mill to you.



My Dear

YOUNG FRIENDS. Look at my copyrighted Hallowe'en Post Cards. You never had any cards like them. You never had any as Rich and Beautiful. I want to send them to you. —J. A. E.

HALLOWE'EN cards may seem unusual to you because this is a new application of the post cards. But you ought to have them. You will enjoy them more than any others you can get.

By the old belief Hallowe'en is the day when young people work charms to discover who will be his or her mate for life; whether a lover is true; whether good luck will attend his work through the year; when spells are thrown on people and animals to make them do unusual things, etc.; all innocent amusements in these enlightened times. My new cards illustrate and explain all of these things.

These are very expensive cards. No expense was spared to make them beautiful. Similar cards sell for 5c or 2 for 5c in stores, but you cannot buy these. I positively control them and I give them to my friends and co-workers alone.

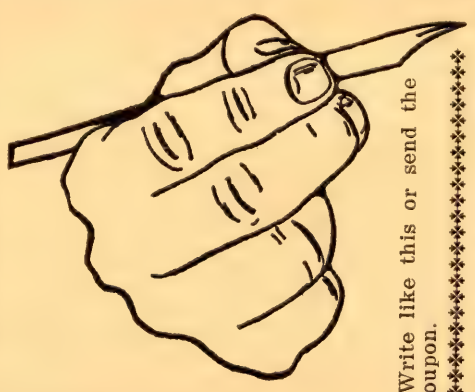
Here is my Offer:

To just one person in each family that receives this paper, and who will agree to show my new, copyrighted HALLOWE'EN, THANKSGIVING, CHRISTMAS and NEW YEAR'S post cards to at least five neighbors and ask them to subscribe to Up-to-Date Farming I will send the set of 12 Hollowe'en post cards at once and the others as they are ready.

I am particular to make my terms clear because I cannot afford to send my rich and expensive cards unless I have hope of getting something in return. The young people are largely responsible for the present great circulation and I want them to help me increase it still more. I believe every boy and girl who reads this wants a set of my Hallowe'en cards.

You better not waste any time but send the coupon at once. You will be as proud to show what I send you as I will be to send them to you. Every family will get some holiday post cards and I just know they will not want any others, once they get a peep at mine. Then my circulation will grow by leaps and bounds.

Because of the newness and novelty of these cards, as well as their beauty there will be added charm and interest if you are the first one among your friends to have them, so fill out the coupon and I will send them by return mail.



Write like this or send the coupon.

HALLOWE'EN DAY will be October 31st.

J. A. EVERITT, Editor Up-to-Date Farming
Indianapolis, Ind.

Mr. J. A. Everitt, Editor,
Indianapolis, Ind.

Dear Sir: Please send me the set of 12 new, copyrighted, HOLLOWE'EN post cards as offered, and your copyrighted THANKSGIVING, CHRISTMAS and NEW YEAR'S post cards as soon as ready. I agree to your condition, viz: to show them to at least five of my friends and ask them to subscribe to Up-to-Date Farming, I enclose 10 cents to pay postage and packing and as a guarantee that no other member of my family will send.

This order is sent with the clear understanding that the cards are as represented.

(Write perfectly plain.)

My Name .....

R. R. ..... **P. O.** .....

State .....

A Case of "Wooden Leg"

Would you hire a man with a wooden leg? Hardly! A wooden leg is a poor substitute for real leg power. You would want a man with two good legs—full leg power—no substitutes.

Disks and other contraptions in common cream separators are like wooden legs—they are mere substitutes for lack of skimming force resulting from a wrong principle of construction. A properly built separator produces plenty of skimming force to do the work without disks or other substitutes. Claims that contraptions are needed in modern machines are disproved by the fact that

Sharples Dairy Tubular Cream Separators



contain neither disks nor other complications, yet produce twice the skimming force, skim faster and twice as clean as common machines. Wash many times easier and wear several times longer in consequence.

The World's Best. World's biggest separator works. Branch factories in Canada and Germany. Sales exceed most, if not all, others combined. Probably replace more common separators than any one maker of such machines sells.

Write for Catalogue No. 136



THE SHARPLES SEPARATOR CO.
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NEWTON'S HEAVE COUGH, DISTEMPER AND INDIGESTION CURE

SAFE TO USE

The Standard Veterinary Remedy. 20 years sale. Send for booklet.



BEST CONDITIONER

Makes the horse sound, stay sound

DEATH TO HEAVES

The first or second $1.00 can cures. The third can is guaranteed to cure or money refunded.
$1.00 per can at dealers, or express prepaid.
THE NEWTON REMEDY CO., Toledo, Ohio

Be generous — When you write to our advertisers mention Up-To-Date

KITCHEN SET FREE

(22 INCHES LONG)



(13 INCHES HIGH)

Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort, Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

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Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

Name.....

P. O.....

St. or R. F. D..... State.....



TO PROHIBIT THE SLAUGHTER OF CALVES.

THE Master Butchers' Association held a meeting in Chicago not long ago, and among the most important things done was the adoption of a resolution asking congress to enact a law to prohibit the slaughter of calves and lambs for meat purposes. The secretary, J. D. Lukenbill, said it was the opinion of the butchers throughout the country that such a law would do more to increase the meat supply than all other measures that had been so far proposed. If lambs and calves were exempt from slaughter, he continued, until they had grown to maturity, they would produce five times the quantity of meat, and of more wholesome and nutritious quality, that when slaughtered as calves or lambs.

Lamb and veal, said he, are at best unwholesome and really not fit for human food, but there has been a growing demand for them of late years which butchers can scarcely understand. This inexplicable demand has brought prices for lambs and calves to such a figure as to tempt sales where both butcher and farmer know it would be best for people and country not to thus sacrifice the young animals. This untimely sacrifice is undoubtedly responsible for the present nation-wide shortage in livestock, and we believe it will have to be stopped before the normal supply can again be reached.

But must it be stopped by law? Reason, and even ultimate personal instinct, does not seem to avail much where the temptation of ready money at unusual prices is presented. Still, may not a man do what he will with his own? Yes, but the public good has greater claims on popular government than private right, and the proposed law is not to arbitrarily forbid the owners from selling, but to remove the temptation by saying to the butcher "Thou shalt not kill." We are glad the butchers themselves have inaugurated the movement.

FEEDING THE PIGS.

THE successful man knows his business. This applies to stock raisers as well as to merchants or doctors. The successful hog raiser understands pigs. The digestive system of all animals at birth is filled with accumulations that cannot pass away, matter inevitably rejected even though the life was sustained and growth accomplished by nourishment, digested and practically assimilated, in the mother's blood. This matter must be expelled before the digestive apparatus can properly begin its life work. Nature provided for the expulsion of this matter in the mother's first milk, which is so constituted as to exactly meet the requirment, and set the new machinery to working smoothly and effectively. The pig, or any other young animal, in fact, should have nothing at first but its mother's milk. This is why it is so difficult to establish health and vigor in any young thing whose mother dies at its birth. It lacks the means nature provided for cleaning out its system, nourishing it and setting it to work. This done, as everybody knows, the nature of the milk changes.

The pig, therefore, should not have extra food until its system is well developed, which need not require more than a week, perhaps; but the feed then given it should be similar and easily digested. If it needs more than its mother gives it, then warm slops or skim milk is suitable. In two weeks it may have access to a little shelled corn. It will not eat much of it, but it will learn to know what it is, and earlier than one would think, it will begin to crack the grains. After that about the only thing to be careful of is not to give it too much. Even a pig may be over fed.

We have used the simple term, pig, but of course we have had in mind the litter, and in this extra feeding it is necessary that the pigs be separated from the mother. The mother should have a trough or feeding place of her own, and near it, but separate from it by a strong fence, should be the feeding place for the pigs, with an opening sufficient to admit the pigs but not the mother. The little fellows will soon learn their place. Their trough should be low and shallow, and so separated by slats that only one pig can feed at a place, and so that there is no room for the pigs to get into the trough. The feed should be equally distributed over the trough before the pigs are admitted, to accomplish which the opening may be closed by a drop board which is easily raised from a convenient position. If the feed be liquid it is necessary that the trough be perfectly level.

With this simple provision and care pigs may be given remarkable growth, and pounds added to them as rapidly as ounces under the old way of "root hog or die;" and in spite of the extra feed and care, we believe the pork may be brought to market at less cost. We have not mentioned pasture, but they should have that also.

There are about 200 questions to be settled in the minds of every farmer before he is ready to become a member of a farmers' co-operative society. A folder, "A Call to Farmers to Organize" and issued by the Farmers Society of Equity, Indianapolis, Ind., for free distribution, answers them.

SHEEP AND PARASITES.

IF the sheep are not healthy this fall, and thrifty, they are most likely infected with parasites. Of these the most notable, perhaps, at this time of year at least, are the stomach worms. Long used pastures are almost sure to become infected with these worms, and if the sheep show signs of them the pastures are most likely at fault. The very best management of sheep is a frequent change of pasture, rotating often with fields that have been lately cultivated. The flock that is kept long on the same pasture is the flock that "runs out." It is really the pasture that runs out. Take the sheep from such a pasture, and put them in one they have not been in before, if possible in one from which a cultivated crop has but recently been removed, and note how quickly the sheep take on a thrifty look.

MORE CATTLE ON THE FARMS.

The Drovers' Journal, discussing the beef cattle situation, says:

Time has arrived when the West, a few years back the breeding ground for the corn-belt feeders, is no longer able to supply feeding cattle to the farmers of Missouri, Iowa, Illinois, Indiana and Ohio except at almost fat steer prices. The situation is growing more acute each year, and within the past twelve months the effect of decreasing home production of beef steers in the States of the Middle West has been a relatively shorter supply of beef than consumptive capacity required, and results have been higher average prices for fat steers than realized in thirty years past. But instead of general prosperity it has been prosperity for the few, because cattle raising and feeding has declined.

There must be a greater effort toward home production of beef steers east of the Missouri river. The West and Southwest can no longer be called upon to furnish the former quota of feeder cattle to be finished by the corn-belt farmers. There is within a radius of 500 miles east, west and south of Chicago an area equal to 4,000,000 farms of eighty acres each, upon which could be produced profitably an average of two or more cows each year, at a cost which would be low enough to afford reasonable income on the investment. These few extra cows per farm, together with their offspring, would aggregate an increased yearly production of over 8,000,000 cattle.

Where is the farmer who owns an eighty-acre tract who, by practicing a little economy, could not raise at least two head of beef cattle more each year for practically the same cost of the present output?

One good bovine matron with a calf at foot, feeding the latter until the calf-stage is passed, when the animal could be fed a grass ration, would within fifteen months produce added wealth of $60 to $75 and net the farmer a handsome financial return, even upon $150 land.

Two million eighty-acre farms, each providing two or more head of beef cattle, would within four years increase the beef output of the middle western States to normal volume again and care for the needs of the fast growing population.

Milton Schreiber & Co., Dept. F, New York City, announce their removal to their new building at No. 130 West 26th street in the heart of the new raw fur district. Owing to the firm's new increase in business, due to the increasing list of shippers, Messrs. Milton Schreiber and Co. have been compelled to move to these large quarters. The building is modern in every respect and thoroughly equipped for the handling of all kinds of furs, thus enabling the firm to give their shippers the best attention. Write for price list, ect.

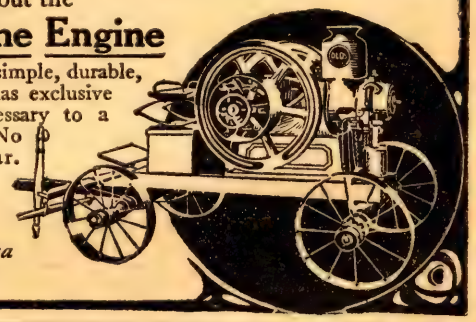


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before you buy. It is simple, durable, the most economical, has exclusive features absolutely necessary to a satisfactory engine. No repair bills for one year.



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FULL JEWELED WALTHAM $10.65

In Fine 20-Year Gold-filled Case. Guaranteed to keep Accurate Time.

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So many claims are made by competing separator manufacturers that it may seem difficult to decide which machine will give you the best service.

Here is **just one** fact that it will pay you to keep in mind:

DE LAVAL
Cream Separators

are used exclusively by 98 per cent of the world's creameries.

There can be no better recommendation for the DE LAVAL than the fact that the men who make the separation of milk a business use the DE LAVAL to the practical exclusion of all other separators.

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a big knee like this, but your horse may have a bunch or bruise on his Ankle, Hock, Stifle, Knee or Throat.

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will clean them off without laying the horse up. **No blister, no hair gone.** $2.00 per bottle, delivered. **Book 8 E free.**

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When you buy ready mixed Stock Food you pay at the rate of $250 a ton for bran, meal and other ingredients. You can mix your own for $3.60 a hundred pounds. Upon request I will send you **free** a formula for mixing the best **Stock Food** known to the Veterinary Profession. Send post card today for this **Free Formula.**

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This Is The Best WATCH CHAIN and RING FREE



This is a genuine gold plated watch, American made, stem wind and set. Beautifully embossed, brightly polished. Latest improved movement, factory tested and guaranteed. Suitable for any person, full size. Also this elegant gold filled signet ring with your own initial on it. We will also give handsome chain for watch. All given for selling 24 of our genuine heavily plated "Lucky Bug Stick Pins." Everybody buys at sight. Ten cents each. When sold send us $2.40 and all the above is yours. Write today for the 24 Pins. We trust you with them.

FREE Stick Pin If you answer this advertisement to-day we will send you free, an extra "Lucky Bug Pin" for yourself. Address



WATCH & RING CLUB, 142 W. Ohio Street, CHICAGO, ILL.

NEXT SEASON'S LAMBS.

SHEEP raisers are now preparing for next season's lambs. There has been a little lull in the demand for sheep, and a slight depression in the price. But every 1911 lamb will be worth money. It is a mistake to have the lambs come too early, though we are writing this article a little bit late. It is better that cold and stormy weather be safely over before the lambs come, but preparation should then be made to give the ewe and lamb such treatment as to make up for lost time. If the ewe has good treatment, and plenty of rich protein feed, the lamb, or lambs, will grow with amazing rapidity.

Then, two, the lamb should be taught to eat early, which may be done by a little care similar to that recommended in another article for the pig. Be sure that a good early pasture is provided. A field of fall sown rye on high, well drained land is excellent. With care and treatment a March lamb may be larger in July and August than a January lamb left in the ordinary way for it and its mother to do the best they can with the usual flock feed. Do not worry about the price; the lambs will be worth money.

DEHORN THE CALVES.

STOCK raisers concede that there are many advantages in having cattle without horns, and dehorning, or cutting the horns from grown or nearly grown cattle, is quite generally practiced. Many who would prefer that their cattle had no horns refuse to have them dehorned because of the trouble of it and the apparent cruelty of the operation. All this may be avoided in future herds by dehorning the calves, a practice the writer has followed for many years.

The treatment must be administered before the horns has started to grow. From three to five days old is the best time, and it should not be deferred longer than ten days or two weeks. Either caustic soda or caustic potash, which may be obtained at a drug store in the form of sticks less than a half inch in size and perhaps five inches in length, is the material to use. It is necessary to handle the caustic with care, as it will parch the skin wherever it touches, especially if at all wet or moist. Wrap the stick in paper to within half an inch of one end.

That and a little water in which to moisten the bare end of the caustic is all the preparation that is necessary, except that the calf must be held. Trim the hair closely upon the horn button, which may be felt on the head of the calf, no matter how young. Moisten the end of the caustic, give time for the caustic itself to begin to melt, then rub thoroughly on the horn button. Do this two or three times in the same operation, with a very short interval between times, so as to insure that the work is well done. Do not use too much water, for, if a solution is formed that may run down the calf's face it will take off the hair. Or if the calf be rained on soon after the operation so that streams of water may run down from the place of application, the effect will be the same. This operation is practically painless, and it makes no sore, but it is effective. The caustic will dissolve in the air. Hence what is left should be put in a bottle and tightly corked, where it may be kept for future use.

Those who prefer to use a solution may make an effective one as follows: Use either caustic soda or caustic potash. Dissolve in half as much water as there is of the caustic, and heat to the boiling point. Remove from the fire, and gradually add as much kerosene as there was of water, stirring vigorously while putting in the kerosene. Bottle and cork tightly. It is always ready for use. Apply with a stiff brush, or from the dampened end of a pencil like roll of muslin or similar material. Treat the same as with the stick caustic.

TOO SOON TO KNOW.

"Mary, does that story turn out happily?"

"I don't know, John, it quits when they get married."

Net Income $3,000 From 28 Acres of California Land



The original price per acre was $40. Planted to peaches, plums, grapes and pears it yields $3,000 a year net, and would be cheap at $500 an acre.

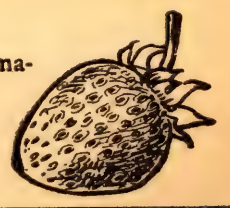
This is only one example of what has been done in a climate that draws tourists from all over the world.



Union Pacific
Southern Pacific

Standard Route of the West

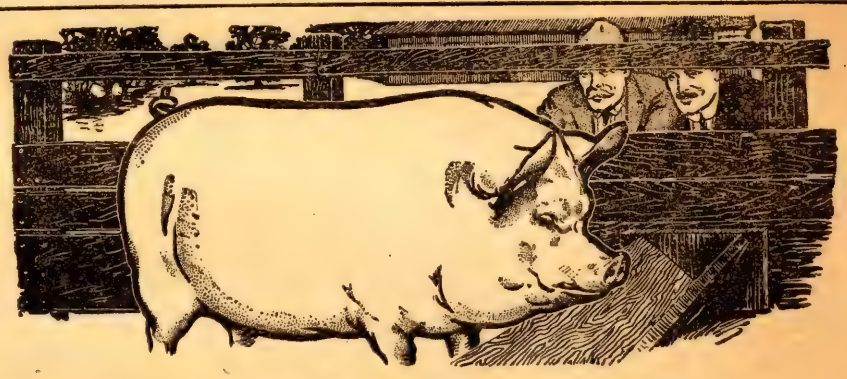
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For further facts and accurate information about California call on or address

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U. P. R. R., 874 Farnam St.
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Save Thirty Days' Time Fattening Hogs

W. Westesen, Denver, Col., January 5, 1910, says:—"I have given Pratts Animal Regulator to 1,000 hogs during the past year, and am willing to state that I am highly pleased with the results. It has *saved thirty days' time in fattening* and my hogs have always brought a little more than market price."

Pratts Animal Regulator

will save time and money for *you*, too. It is guaranteed to prevent cholera and constipation — to make healthy, quick-growing hogs good for top prices.

TEST THIS: Begin now and give Pratts Animal Regulator to a part of your hogs. In a month's time compare them with those that did not get it, you'll see the difference. Do this at our risk for Pratts Animal Regulator is

Guaranteed or Money Back

We authorize dealers to promply refund full purchase price if you are not more than satisfied.

Get **Pratts Animal Regulator** of your dealer today. A 25 lb. pail costs $3.50—sold also in smaller packages and 100 lb. bags.

PRATT FOOD CO., Dept. W. Philadelphia, Pa.



Wt. 30 lbs

$3.00 The Family Grist Mill

Should Be In Every Home

This little mill has a well deserved reputation as the best of its class. Hand power. Can be attached to table, bin or box. Grinds corn, oats, barley, coffee, etc. You can make your own corn meal and graham flour fresh every day. Just the thing for cracking grain for poultry. Capacity, 40 lbs. of coarse meal, or 25 lbs. of fine meal per hour. Made of honor and will wear a lifetime. **Price** **$3.00**

We received the Family Grist Mill, and find it as represented. Would not sell it at any price, if I could not get another. Our neighbors think it a grand mill, and you will get several orders from our town.
Mrs. A. F. Brown, Milton, Ill.

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I WANT A MAN



of good character, in each city and town to act as my

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No peddling, canvassing or other objectionable work required. Previous experience unnecessary. Duties need not, at first, interfere with your present employment.

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I will assist the right man to become independent for life.

If you are making less than $2,400 a year and are trustworthy and sufficiently ambitious to learn and become competent to handle my business in your vicinity, write me at once for full particulars, my bank references, etc.

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MY OWN BUILDING—where nearly 200 employees handle the office details of the immense volume of business transacted by my representatives

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Farmer or Farmer's Son

with rig in every County to introduce and sell Family and Veterinary Remedies, Extracts and Spices. Fine pay. One man made $90 one week. We mean business and want a man in your County. Write us.

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A PATENT PATCH



They mend leaks instantly in granite ware, hot water bags, tin, copper, brass, cooking utensils, etc. No heat, solder, cement or rivet. Anyone can use them. Fit any surface. Perfectly smooth. Wonderful invention. Millions in use. Send for sample pkg., 10c. Complete pkg. assorted sizes, 25c. postpaid. Agents wanted. Write today.

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Handy, Automatic

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Do away with old hame strap. Horse owners and teamsters wild about them. Fasten instantly with gloves on. Outwear the harness. Money back if not satisfactory. Write today for confidential terms to agents.

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Make Your Own Repairs!



Mends Harness, Shoes, Canvas; Myers' Sewing Awl makes lock-stitch like sewing machine. $1 postpaid. BIG MONEY FOR AGENTS.

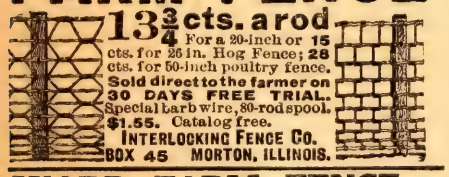
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Wanted—A man or woman to act as our information reporter. All or spare time. No xperience necessary. $50 to $300 per month. Nothing to sell. Send stamp for particulars. SALES ASSOCIATION, 629 Association Building, Indianapolis, Indiana

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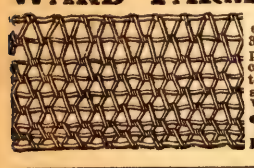


13¾ cts. a rod

For a 20-inch or 15 cts. for 26 in. Hog Fence; 28 cts. for 50-inch poultry fence. **Sold direct to the farmer on 30 DAYS FREE TRIAL.** Special barb wire, 80-rod spool, $1.55. Catalog free.

INTERLOCKING FENCE CO.
BOX 45 MORTON, ILLINOIS.

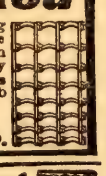
WARD FARM FENCE



40 carbon spring steel, extra heavily galvanized. 30 days' free trial. Freight prepaid. Complete free catalogues on Farm, Poultry and Ornamental Wire and Wrought Iron Fences. **Write now for special offer.**

The Ward Fence Co., Box 331 Decatur, Ind.

13¼ Cents a Rod



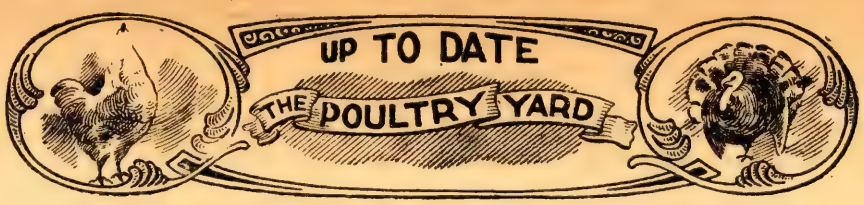
For 18-in. 14 3-4c for 22-in. Hog Fence; 15c for 26-inch; 18 3-4c for 32-inch; 25c for a 47-inch Farm Fence. 48-inch Poultry fence 28 1-2c. **Sold on 30 days trial.** 80 rod spool Ideal Barb Wire $1.55 Catalogue free.

KITSELMAN BROS.,
Box 289 MUNCIE, IND.

FENCE Strongest Made

Made of High Carbon Double Strength Coiled Wire. **Heavily Galvanized** to prevent rust. Have **no agents.** Sell at **factory prices on 30 days' free trial.** We pay all freight. 37 heights of farm and poultry fence. Catalog Free.

COILED SPRING FENCE CO.
Box 88 Winchester, Indiana.



THE POULTRY CROP

THE Poultry crop is really the main stay of the American farmer. It is usually looked upon as a side line, and its care and production is largely given over to the women folks. But its harvest is almost perpetual, and the revenue derived from it comes in every day to meet the every day family needs. This it does to a greater degree than farmers are inclined to give it credit for. During the year 1907 the value of the poultry crop of the United States, as reported by the Secretary of Agriculture, was $600,000,000. This was $100,000,000 greater than was the wheat crop of that year, and it exceeded the combined value of the oat crop, the potato crop, the rye crop and the flax crop. Hay, corn and cotton are the only crops that exceed in value the poultry crop.

WAITING FOR WINTER EGGS

THE folks on the farm are now waiting for winter eggs; and so are retaurants and hotels and people in the city. The folks on the farm must get them first. What is being done to get ready for them? Are the earliest and best pullets being selected and cared for—trained, so to speak, for the important work they are to do a little later? Is there a store of suitable feed being provided, feed that will cause the hens to forget that it is winter, and not miss the good things that they get in yard, lot and field during the summer?

If hens lay in winter they must have what eggs are made of. They must have gravel to prepare the feed for digestion, meat scraps and ground bone or something like it to take the place of insects they caught, and some kind of vegetable matter to answer for the green stuff of summer. Clover hay for them to scratch and pick in during the cold days, is fine for them. Unthreshed millet hay is also excellent, and winter wheat or rye for them to work on in the better weather is best of all.

To get winter eggs preparation must be made for them, and now is the time to begin it.

"In 1907, in the State of Colorado, there were thirty-three separate co-operative producers and shippers associations for handling fruit, vegetables, potatoes, honey, etc."—Exchange.

That meant thirty-three organizations competing with each other for the markets, thirty-three sets of officers to support and thirty-three systems of marketing to maintain. Compare this with the system of the Farmers Society of Equity—one system for all producers, for all crops, for the whole country.

EGGS AND SNOW

WHEN the snow comes eggs stop. All farm poultry raisers in the snow latitudes have noticed that. The fowls stay on the roosts till late in the mornings after snow has fallen at night. They don't like to get into the snow because their feet get cold easily. They thus starve themselves, and egg making ceases. The remedy is to have a large, well littered scratching shed in which they can jump from the perches. They will do that on mornings when there is snow just the same as when there is not, and they will begin their day's work as usual. A little grain scattered in the litter, will be an inducement for them to work, and they sure will do it. Under such conditions there need be no reduction of the egg supply.

POULTRY A DEPARTMENT OF TRAINING

EVERY progressive and well organized farm has its different departments carefully developed, each receiving its portion of attention in due season. The live stock department is provided with suitable sheds and houses, lots, pastures, a sure supply of water, and abundant and proper feed. The department of cultivation is equipped with best machinery, fertilizers, storage rooms, good seed, and whatever contributes to surest success. The poultry department—yes, that should be made a department as definitely and certainly as any other. In fact, it is the department which, if managed as the other departments are, will be the best paying department on the farm, investment and cost of operation considered.

It is out of date to consider the poultry an insignificant side issue, maintained as a kind of necessity for the employment of the women folks. It is a business, a profitable business, and one which does much to meet household expenses and keep up the bank account, and the farmer is not living up to his opportunities and responsibility who does not take it into his calculations, provide for it as he does for the other departments of his farm work, and see that it has whatever will lead to its greatest success. If not done before organize the farm poultry department this fall.

Are you interested in out-door life? If so, you should be a subscriber to the Hunter—Trader—Trapper. It is the only magazine published solely for the benefit of the camper, the hunter, the follower of the trap line and the devotee of the fishing line. Write to the publishers, A. R. Harding Pub. Co., Box 239, Columbus, O., and ask for circulars.

20 Acres of Fruit Land in

CALIFORNIA

will make you independent in five years. Mild climate. You can work out of doors all the year round.

Write for free information about any part of the State to the

California Development Board
San Francisco, California

It is a State Organization with the Governor as President
and has nothing to sell

Address your letter to Bureau No. 11

FOR INFORMATION AS TO LANDS IN

The Nation's Garden Spot—
THAT GREAT FRUIT and TRUCK GROWING SECTION—
along the

Atlantic Coast Line RAILROAD

in Virginia, North and South Carolina, Georgia, Alabama and Florida, write to

WILBUR McCOY, A. & I. Agt. for Florida, Alabama, Georgia, Jacksonville, Fla.

E. N. CLARK, A. & I. Agt. for Virginia and the Carolinas, Wilmington, N. C.

Farmers!

WANTED: One thousand responsible first-class farmers to know about the *Tehama Irrigation Company* and the most productive irrigated lands in the great Sacramento Valley, California. You incur no obligation in writing for free illustrated books. The best offer ever made to you. Write today.

WM. H. UNDERWOOD COMPANY,
Royal Insurance Bldg., Room 809, San Francisco, Cal.

Beautiful Silk Remnants For Quilts
BED SPREADS, SOFA PILLOWS AND FANCY WORK OF ALL KINDS

SILKS

BEST QUALITY OF GOODS, PLAIN COLORS, STRIPES, PLAIDS AND FIGURES.

Large sample package by mail, 16 cents; two packages, 25 cents. Stamps taken. Satisfaction guaranteed.
Silk Patch Company, Dept. F., Williamsport, Pa.

DON'T FAIL TO MENTION UP-TO-DATE FARMING when writing our advertisers

FREE $50.00 to $250.00 WEEK

SAMPLE TO ACTIVE AGENTS

SENSATIONAL OPPORTUNITY FOR MAKING BIG MONEY

MONEY'S YOURS MEN OR WOMEN

Be quick—don't wait—only hurry, it's yours—we start you—experience unnecessary. Keep on reading Be first to manage, direct, control your field. Listen! C. E. Goff, Mo., says: *"Sold 5 Vacuum Cleaners last Saturday*—my first attempt. *Profits* $21.25." W. H. Morgan, Pa., *sold 75 in nine days. Profit* $318.75. Marvelous invention. *New Home Vacuum Cleaner.* Rushing, whirling, sucking air. Terrific suction draws up through nozzle *dust, dirt, grit, grime and germs* from surface and from every warp and fibre. No more brooms—brushes—dust cloths. No more house-cleaning. Greatest blessing of the age for women. Purifies atmosphere, wards off disease, stops doctor bills. Sucks dirt from cracks, crevices, beneath radiators, furniture, behind doors, in closets, etc. *Agent in three minutes shows dirt taken from carpet supposed to be clean and sale is made.* New principle. Constant suction. Weighs nine pounds. Made of light metal, easy to carry. A child operates easily. Women all praise it—say wonderful—marvelous. *One lady had matting too old to take up—New Home Cleaner saved it—cleaned it on floor.* Longed—hoped for, but unexpected. Here at last for rich or poor—finest home or humblest cottage. Every cleaner tested before shipping—guaranteed as represented or money refunded.



Cleans Them on the Floor

READ HOW AGENTS MAKE MONEY

Gus Anderson, Minn., writes: *"Enclosed find order for 12 Vacuum Cleaners. Ship prompt.* One man sold dozen in three days. *Profit* $51.00." This wonderful cleaner simply takes women by storm. They can't resist it—bargain day isn't in it. *No experience necessary.* Just hustle and the money rolls in. Shown in three minutes. Sold in five. Then on to the next. *None refuse. All buy. Hurry*—be first—get the cream. Women eager—they need it—when they see it can't let it go. Drop everything—Sell this marvellous Vacuum Cleaner *Make* $100 *a week*—you can—easy. Chandler, N. Y.: "You don't praise them enough. *First afternoon out I sold* 12 *and yesterday morning* 8 *more. Profit* $85.00." One woman made $24 *first half day.* And so it goes. These records are not uncommon. Hundreds of such reports come in every day. Failure impossible—Success sure and profits big. No proposition to compare with it. Don't wait a minute. No matter who you are or where you live an appointment is awaiting you with easy work and big profits.

WANTED: Men and Women everywhere to act as *Agents, Salesmen, Managers, to* direct, control territory, collect money, supply the demand.

SEND NO MONEY Only your name and address on a postal and we'll send full instructions and offer of good territory. John Logan gave up $12 job driving team—*now makes* $50.00 *weekly.*. Do it today We'll hehlp; we'll start you.

—now—before you lay aside the paper.

R. ARMSTRONG MFG. CO., 1031 Times Bldg., Cincinnati, Ohio

This advertisement is meant personally for every reader of UP-TO-DATE FARMING. I would like to meet and talk to everyone "face to face." Since this is impossible, write me a letter or sign and mail me the coupon below and you will not regret it. As a business man who realizes that it doesn't pay to act anyway but "on the square," I say to you that you cannot find a better proposition than this anywhere for either a home, farm or investment. There is not a better proposition. I want you to investigate—that's all. **CHAS. H. LEE.**

The Famous O'Connor Ranch

Is the Best Land in Texas and Texas Is the Best

70,000 Acres of Rich, Virgin Land, Just Put on the Market, Ready for the Plow, Going Fast

THE O'Connor Ranch tract of farm, fruit and truck land is in Calhoun County Texas and in what is known as The Gulf Coast Country. It is 18 miles in extent East and West and averages about 12 miles wide, North and South. It contains 70,000 acres.

2. It is bounded by Matagorda Bay, San Antonio Bay, Espiritu Bay and Powderhorn Lake. These bodies of water form about three-fourths of the boundary. It has a shore line of 45 miles.

3. The great inter-coastal canal which is being built from the Rio Grande river on the South to New Orleans is completed to Port O'Connor, the Gulf port in the Southeastern corner of our land.

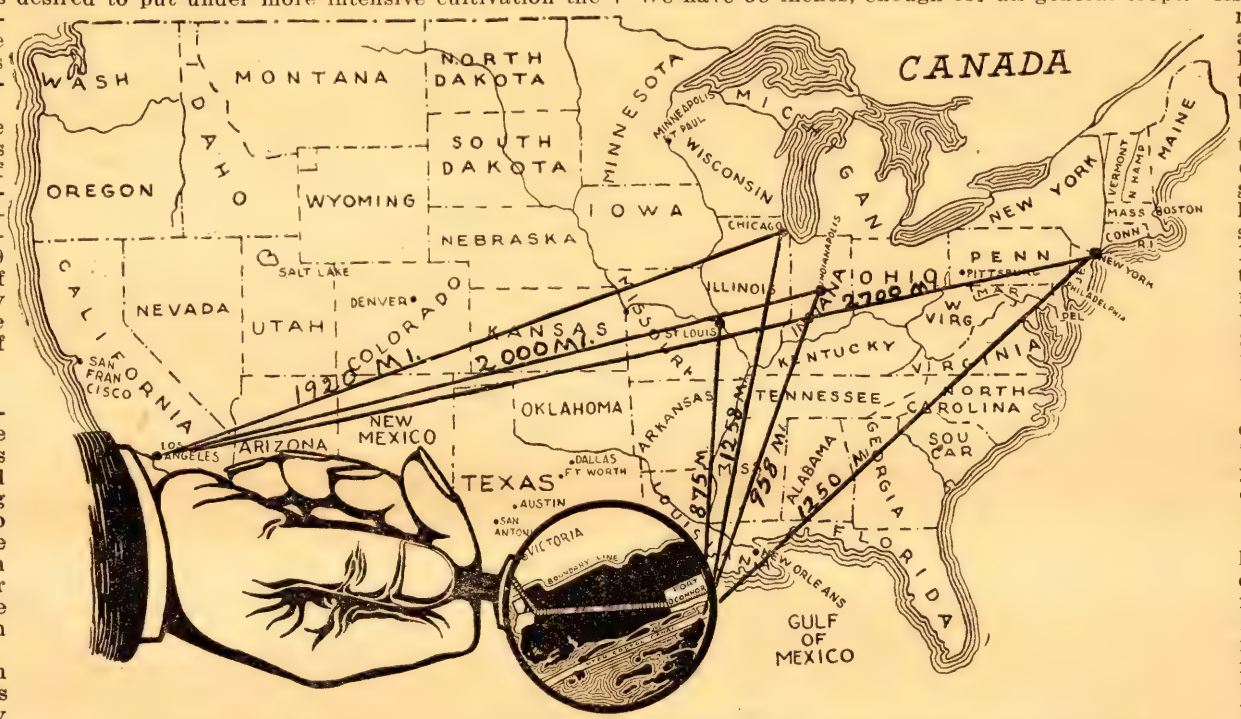
4. Artesian water can be obtained any where by drilling 300 to 500 feet. There are now 23 such flowing wells on the tract that were drilled to secure water for cattle formerly raised here in great numbers. This land does not require irrigation for the usual agricultural operations, but should the time come when it was desired to put under more intensive cultivation the water will be available and this should be taken into account as one of the most valuable natural assets.

5. A branch of the Frisco railroad runs the entire length of the tract from Northwestern to the Southeastern corners, a distance of about 19 miles. Our town of Port O'Connor, already well established is the eastern terminus of the railroad.

* * *

I have been particular to enumerate some of the features of this highly favored place in the foregoing paragraphs, 1 to 5, so the reader may have them before him when considering whether this is a desirable place to live, to farm or for investment.

My experience in selling land covers many years. But I say frankly that I never had any land to sell that possessed as many attractions, and advantages, and gave promise of so rich returns in cultivated crops, advance in values as this O'Connor Ranch l and does.



Do you know that the northern cities have strawberries and other fruit and new vegetables all winter? You also know what high prices they bring. Do you know where they come from? They come from Texas, California and Florida. The whole North gets its supplies from these States and always must. The O'Connor Ranch tract is in the heart of the winter garden, early vegetables and fruit belt of Texas and has unsurpassed shipping facilities, and having its own seaport gets the lowest transportation rates. Compare the distance to market with California. (See the black lines on the map). Less than half the distance to the large eastern cities and only about half the distance to the great cities in the central part of the country. The difference in transportation increases the producers profit. We see no reason why this land will not eventually be worth several hundred dollars per acre.

OUR LAND IS READY TO WORK

The land is level and rich; no stumps, brush or stones, but is ready for the plow. Locate, and begin work that will produce money in a few weeks.

IDEAL CLIMATE SUMMER AND WINTER

Being nearly surrounded by water it has cool sea breezes almost continually. No hot summers and there are no winters. The tidal waves never visited this place and never can as it lies too high and is protected by islands and peninsulas.

MONEY CROPS THE YEAR 'ROUND

Produces the finest Potatoes, Tomatoes, Cabbage, Cauliflowers, Onions, Beans and other vegetables. Oranges, Grape Fruit, Grapes, Figs and Melons grow luxuriously. Also the staple crops such as Corn, Oats, Cotton, Alfalfa, Sugar Cane, Cow Peas, Kaffir Corn, Etc., can be produced to good profit. Something growing and marketing every month of the year.

LOOK WHERE YOU WILL, INVESTIGATE OTHER PROPOSITIONS—THEN YOU WILL BUY HERE

I do not know of any place where a greater variety of crops can be grown and that is better located for seasons of maturing crops and marketing. The fact of having a seaport gives the special water rate on the products to the Eastern markets. I have never found a place where a man and his family can cultivate the soil with better reward, devote spare hours or days to more healthful enjoyment, on land or water, like hunting, fishing, boating, bathing,etc., than on this place.

* * *

OUR LAND IS LOW IN PRICE

What do you think land is worth with all of these advantages? I know land in Indiana and other Northern States that is held at $150 an acre or more, that will not begin to earn the money that this land will. Yet you can buy a farm of 40 acres or more at $30 an acre NOW. A moderate cash payment and the balance on time to suit the purchaser. Texas land is selling for $50 per acre up. Compare all others with this. Ask them if they have a sea-port. Ask them if they have plenty of rain fall. We have 38 inches, enough for all general crops. Ask them if they have a railroad built and operating through their land. We have all of these and there is no better soil in Texas.

The railroad passes through or along 46 quarter sections. It gives about 40 miles of land fronting on both sides of the railroad. Do you want one of these 46, 160-acre farms? Or do you want one of the 92 80's? or one of the 184, 40's along the railroad?

There are over 100 quarter sections fronting on the bays. Do you want such a farm of 160 acres; or an 80; or a 40?

Every acre of the land is desirable, because none of it is more than six miles from the railroad and none more than 6 miles from water. But there are many plots that have great advantages over some others. Of course the first people will get first choice. That means much.

The distance between Seadrift and Port O'Connor, the two railroad routes, is 19 miles. There will be several towns spring up along the line of the railroad. Who will select the tract that will soon be in town?

JOIN MY EXCURSION

My excursions to show the O'Connor Ranch lands will be Oct. 18th and Nov. 1st and 15th. Nothing can please me better than to have you go with me and see with your own eyes that all I have said is true. Seeing is believing—we want to show you.

I WANT TO HEAR FROM UP-TO-DATE READERS

If you want to go write to me and I will give you full particulars of rates and where you can connect with my excursion train. It does not matter where you live, just send the coupon and I will give you full particulars. I have a handsome booklet about Texas that you should have. It will be sent free when you write. It costs you a postal card or a stamp to write me and it may mean more to you than nearly any other event in your life if you write me. You can't lose—write today.

Calhoun County Cattle Co.

C. H. LEE, Mgr. Indianapolis Office

INDIANAPOLIS INDIANA

THIS IS THE COUPON

MR. CHAS. H. LEE, Manager
Indianapolis, Ind.

Dear Sir:- I am interested in the O'Connor Ranch. Please send me full particulars and information about your excursions.

My
Name .....

My
Address .....

I Am Six Months Old

in Chicago. Yep, I came here from Michigan, my Michigan, about six months ago. I didn't have very much in my pocket when I arrived except a letter of introduction, which, by the way, I have never yet presented, prefering to stand on my feet and fight my own way with obligations to no one.

Fortunately, I possessed quite a large number of good friends in this locality, men to whom I had already sold land, and these friends have been friends indeed, for they have sent me many others who have also bought lands of me since I opened offices in Chicago. So that now I am glad to say that the greater part of my business is coming from the recommendations of others. "We are advertised by our loving friends" and indirect testimony like this not only helps but makes for a permanency that is highly gratifying.

While I am just getting under headway in Chicago, I have been in this business of selling good lands at reasonable prices and on easy terms for nearly a dozen years, and, in all that time, mind you, I have never foreclosed a contract or mortgage—never take a man's land away from him if he did not meet his payments promptly. To be frank about it, I seldom had the chance to take such a step, for nearly every one has made good, except a few lazy, floaters who sink wherever they go. I am not boasting about this liberality of mine, but, at the same time, I am glad to be able to say that I have been helpful, and besides, all this is conducive to my sound and peaceful slumbers each and every.

IF YOU CAN PAY 17 CENTS A DAY

you can by a well-located forty acres of land possessing productive soil, close to good towns and railroads, with a fine home market that will take all you can raise and pay you good prices for your products. Think of it! Less than the price of four loaves of bread, or four beers, or four car fares, or four smokes (just as you look at it), and by putting this 17 cents a day into a piece of land instead of wasting your coin, you will, all in due time, have something to show for it. Also you will be agreeably surprised to learn that your money has greatly increased in value.

SEE THE REST BUY THE BEST

Just compare my proposition, point by point. I have no fear of competition, and draw your own conclusions.

I ask no more for my lands than others who will give you less. The soil of my lands is practically uniform, and while of a sandy nature, possess more loam than in those counties nearer Lake Michigan. I guarantee clover to grow on the lands I sell and the guarantee means that if it will not grow, you can have your money back in full. Another advantage my lands possess is that they are at a higher altitude than any other lands in the area, which means that they are favored with better air and water drainage, that they have greater freedom from frost and that they do not sustain as much damage from high winds which sweep across Lake Michigan unobstructed and raise hob with the lands near the lake at times. THE CADILLAC TRACT has more and better roads than other lands in my part of Michigan, and these good roads are largely paid for by voluntary contributions. A more public-spirited, home-loving people than those in my area would be impossible to find. Everybody loves to help a good thing along and those most able DO THE MOST, which is usually not the case. One of our most estimable citizens has just given $75,000 for a new manual training school; others have pledged themselves for several hundreds of dollars each for every mile of good roads built, and that's the kind of folks you locate among.

COME ON, BROTHER

brace up and begin those payments on a good piece of land, which, unlike almost any other investment, cannot "bust up" run away, be stolen, burn up or depreciate in value. I will treat you right. I have several thousands of acres yet for sale, much of it the choicest of the lot, but it is going fast and what is left will cost you more next season, for I shall put my prices up considerably. The number of actual settlers moving in on the lands and their improvements will make my lands worth much more. My present price of

$15 TO $25 PER ACRE

will hold till January first, then up she goes. You can save money if you buy NOW. Don't worry about the square deal for I give you your money back if you want it. What more do you want? If you can not call, write me for I know and love my Michigan. Map and finest illustrated booklet free on request.

S. S. THORPE

Owner of the Cadillac Tract

Chicago Offices: 1627 First Natl. Bank Bldg. Home Offices: Cadillac, Mich.

GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

A PLEASING PROSPECT.

The farmer and gardener are delighted with THE PLEASING PROSPECT which their crops presents, especially in view of the high prices obtained by the practice of EQUITY MARKETING. The contemplation of a harvest is always pleasing, especially if it be earned by good work. **Have we earned our harvest of subscriptions?** Will you send it to us today? that we may have the pleasure of contemplating it. **Will each reader send at least one subscriber at 25c each per year?**

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

PUBLICATIONS RECEIVED.

Insect Control by Fall Spraying.

A first-class monograph on the fall spraying for insect control. Should be in the hands of every fruit-grower. Free. James A. Blanchard & Co., Hudson Terminal, New York.

Meehan's Garden Bulletin.

The fall number of this reliable garden magazine, replete with good things for those interested in garden and fruit, 5c. Thomas Meehan's Sons, Philadelphia, Pa.

Experiment Station Bulletin.

U. S. DEPARTMENT OF AGRICULTURE, Washington, D. C.
Experiment Station Work,
Seed Corn,
School Exercises in Plant Production,
School Lessons on Corn,
Rice Culture.

The above should be in the hands of every farmer in whose section they are applicable. The first four are intended for the whole country, while the last is for the rice farmers of the South. Every school teacher should put the two school bulletins into use in his school.

Mississippi Station, Agricultural College, Miss.

Control of Diseases of Fruits, Vegetables and Flowers. The best short treatise on these subjects to date. It is very full, yet concise. Send for it and follow its advise.

Hearing on Insecticide and Fungicide Regulations.

NOTICE.—At a public hearing on October 20, 1910, manufacturers and venders of insecticides and fungicides will have an opportunity to present their views concerning the regulations that are to be promulgated for the enforcement of the new "insecticide law." The hearing will be held in the room assigned to the "food board" at the Bureau of Chemistry, Washington, D. C. This was announced at the Department of Agriculture today. The new law, approved April 26, 1910, is similar in form and substance to the Food and Drugs Act, and forbids the adulteration of insecticides and fungicides that pass in interstate commerce. A committee appointed by the Secretaries of the Treasury, Commerce and Labor, and Agriculture will draw up the regulations.

THE VEGETABLE GARDEN.

By the time that this appears in print there will be danger of killing frosts in most parts of the country north of Indianapolis, and by the end of the month of October, summer vegetables will not be safe anywhere outdoors north of the Ohio river. They should be picked and marketed, such as do not keep for winter, while they are at their best. The tomatoes may be allowed to remain on the vines until frost nips them, when all should be removed, and green tomatoes ripened in the sun—preferably in the hot-bed, under glass.

The pumpkins and winter squashes should have a good frost before being picked, as it improves their flavor. House them in a dark cool place, and they will keep until late in the winter.

The late turnips should be allowed to cure several days before the tops are cut off, when they may be taken indoors and allowed to remain on a dry floor in a cool place until put away in a dark cool place for the winter. The root-cellar is the best place for them.

Lettuce and spinach may be sowed now in those sections where the killing frosts have not come, in the cold-frame, without the glass, putting the latter on during cool nights. The young plants should get a good growth before necessity compels the permanent placing of the glass. The lettuce can be marketed during the early winter, but the spinach should be kept checked by maintaining a temperature of forty degrees during the winter, and bring it to full growth early in the spring to get the earliest market.

THE ORCHARD.

Ethics in Fruit Growing.

Since the use of sprays and other advanced methods in fruit culture have made such great strides, an agitation has commenced on the part of those growers who are growing fine clean apples by up-to-date methods, against those who are paying no attention thereto, and who are putting hundreds of thousands of bushels of inferior, wormy and bruised fruit upon the market.

The question is: Have the latter a right to engage in the fruit business unless they do it properly? **Has a man a right** to grow for market fruit, which, when dumped upon an already supplied market of good fruit, will send prices so low that the man who has spent good money on spraying, fertilizers, and tillage, will suffer a demoralizing loss?

The question is also asked: Why does not the government take a hand in the mater? **Has it a right to?** That is the point that the good growers want to know, and they reason from analogy that it has. The government will not allow the sale of any inferior milk, **butter, cheese, or meat,** and **why not fruit?** Should not the government, through the Agricultural Department adopt standards for fruit growing and marketing, so that a number one apple or peach will be of the same quality all over the nation? If it would **prevent the sale,** in inter-state **trade, of apples** which have been **mined by cod-**

"I HAVE SO LITTLE FUNGUS

that I cannot afford to mark my fruit with Bordeaux," says Mr. Geo. T. Powell of Ghent, N. Y., a grower of fancy apples. I have less scale and finer foliage than ever before." REASON: Five years consecutive use of

"SCALECIDE"

cheaper, more effective and easier to apply than Lime-Sulphur. *Send for Booklet, "Orchard Insurance."*

PRICES: In barrels and half barrels, 50c. per gallon; 10 gallon cans, $6.00; 5 gallon cans, $3.25; 1 gallon cans, $1.00.

If you want cheap oils, our "CARBOLEINE" at 30c. per gallon is the equal of anything else.

B. G. PRATT CO., MFG. CHEMISTS, 50 CHURCH ST., NEW YORK CITY.



MANATEE FLORIDA

America's Fruit and Garden Market.

Oranges, Grapefruit, Vegetables command the highest prices. Quick transportation and low freight rates to the best Eastern and Northern Markets.

Rich Lands at Low Prices are available now, but prices are advancing—ideal climate—unlimited supply of fresh, pure water—plenty of high-class labor. People are satisfied who have settled here. Finest climate the year round. No freezes, no intense heat.

Two and Three Crops A Year Net $500 to $1500 Per Acre.

¶ An interesting and instructive booklet fully describing "The Land of Manatee" on West Coast of Florida will be sent free. Address:

J. W. WHITE, General Industrial Agent,
Seaboard Air Line Railway,
Dept. I. NORFOLK, VA.

Celery In This Section Reaches Perfection.

dling moth, stung by curculio, or covered by scab, the states would fall in line, and the careless and indifferent fruit growers would soon be put out of business, and there would be plenty of good fruit, properly graded, at prices which would be fair both for the producer and the consumer. Who will be the first congressman to push this in the interest of the fruit growers?

Gathering the Apple Crop.

The apple crop is in full swing. One of the first essentials for the harvesting of the crop is proper tools and enough of them. Of these the ladder is important. The usual parallel ladder is not suited to this purpose, but a fruit ladder can be made out of such by nailing on one end pliable cleats, and bending them to a point, inserting rungs at regular distances. This is the best type of fruit picking ladder.

The apples should be put in boxes, of bushel size, as picked, and these can be stacked up under cover, allowing picking to keep on continuously during the fine weather, and when a wet day comes packing can be done. This is a great saving where there is a large amount of fruit to be handled.

The best thing into which to pick is the common half bushel market basket, which can be bought at wholesale for 35c a dozen, and which are easily handled on the ladder. These should be set down by the picker and another one taken, while another man comes along and empties the fruit in the boxes on the low, spring wagon on which apples should be hauled.

The best sorting table is thirty inches by twelve feet, and has a three inch rim all around. This will hold four bushels, and allow room for sorting. It should have a slight incline toward the sorter. Bushel baskets are placed beside the sorter, into which he tosses the culls for cider.

Close atention should be paid to the barrels if the fruit is to be packed into such. They should come to the packing table with the hoops and bottom ready nailed, and the head inside.

The bottom of the barrel is faced with average-sized good colored apples, in two concentric circles. Remember, that it is this end which is first opened, and it should be the aim to so pack the barrel that the first row seen will **tell the truth** as to the entire contents. Then pour the apples in carefully, a basket, or box-full, at a time. They must not be roughly handled or they will be bruised. **Let every apple be packed on honor.** The barrel must be jogged well after each basketful is put in, in order to level and settle them. Use great care that the fruit in each barrel be entirely of one grade, keeping in mind that EQUITY growers **always give full value** for the money, **and expect good prices.**

The last layer in the barrel should be faced stems up, and extend at least an inch above the top of the barrel, and be pressed down with a screw, or lever press, either of which can be had of any of the implement dealers advertising in UP-TO-DATE FARMING. This is very important, as the apples must be so solid in the barrels that no manner of handling will rattle them around in the barrels.

The head is then put in place, the last hoops driven, the liners inserted, and the barrel turned bottom up. On the bottom should be stenciled: "OPEN THIS END," as well as the brand and name of the owner, with his guarantee as to the grading and quality of the fruit. This is important in order to create a market for your fruit. If it pleases, the same people will ask for it year after year.

Persons not having enough fruit to pay them for keeping a packing equipment can generally sell to the buyers who pack under their own brands, and there are generally buyers who buy in bulk, but the selection and grading should be just as good or you will get hardly enough to pay for the trouble of handling the fruit.

Do not let anyone persuade you to pack anything but the two marketable grades of apples. All below that should go to the cider-mill or the apple-drier, or apple-butter kettle to be worked into by-products.

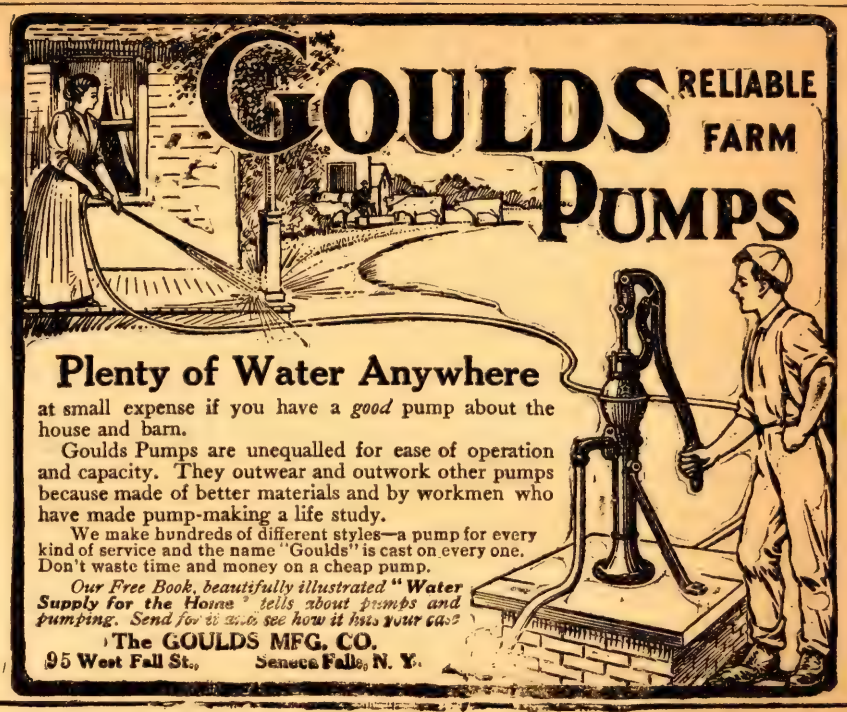
How Apples Are Graded.

The rules for grading apples agreed upon by the various apple-grower's association are as follows:

"A No. 1 apple should not be less than two and a half inches in diameter (excepting in the naturally smaller varieties) and be free from worm-holes, curculio bites, or scab, and should have the maxium of coloring for its variety. A No. 2 apple should be over two inches in diameter, free from worm-holes, not more than one cuculio bite, and free from scab. All others are culls. Any apple which has any evidence of rot of any kind, no matter how small, is a "cull" and should not be sorted with the No. 1 or No. 2 grades."

Boxing Apples in the East.

The principal objection to the use of the bushel box in the east is on the part of the buyers and commission men, who, naturally, object to handling three packages for the same profit as on one (the barrel). But they cannot keep the box from coming into its own, and each successive year more boxes are being packed, and it will not be long until the consumers will demand



Join Great Army of Farmers Who Wear STEEL SHOES!



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Send for book, *"The Sole of Steel,"* or order Steel Shoes from this advertisement.

Indestructible Soles of Light, Springy Steel and Waterproof Leather Uppers, Combining Utmost Economy with Marvelous Ease and Comfort. No More Sore Feet!

The lightness, neatness, comfort and durability of Steel Shoes have created a stampede of buyers. We can scarcely make them fast enough to supply the tremendous demand.

One pair of Steel Shoes will outwear from three to six pairs of the best all-leather shoes or rubber boots. Here is the secret: The soles are pressed out of one piece of special light, thin, springy, rust-resisting steel. The uppers are made of the best grade of water-proofed leather—remarkably soft and pliable. The Hair Cushion Insoles rest the feet and absorb perspiration and odors.

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STEEL SHOES For Men and Boys

Every farmer, every stockman, every dairyman—every outdoor worker owes it to himself to investigate these wonderful money-saving steel-soled work shoes. They are vastly better than the best all-leather work shoes you ever put on your feet. Our Boys' Steel Shoes are meeting with equally great success. Put your boy in Steel Shoes, save money and please the boy.

Actually Lighter Than Leather-Soled Work Shoes

You can prove this surprising fact by actually *weighing* Steel Shoes and ordinary thick-soled work shoes. Your feet feel fine after a hard day's work if you wear these light Steel Shoes.

No Corns or Bunions!

Corns, bunions, callouses, blisters and hot, sweaty, swollen feet are caused by wearing hard, heavy, warped, twisted, leaky leather-soled work shoes or hot rubber boots.

Wear "STEELS" and Avoid These Foot Troubles! The soft, flexible, waterproof leather used in Steel Shoes *never gets stiff.* The Steel Soles keep the uppers in *perfect shape.* "Steels" need no breaking in. Comfortable from first to last.

No Wet Feet! No Colds or Rheumatism!

Our special process of tannage makes the leather *water-proof* and the soles and uppers are so firmly riveted together that no moisture can get in. Steel Shoes do away with the "rubber boot" nuisance—keep the feet dry and prevent colds, sore throat and rheumatism. The saving in doctor's bills and medicines more than pays for Steel Shoes.

Adjustable Steel Rivets and Corrugated Steel Soles Make Repairs Unnecessary

The bottoms of Steel Shoes are studded with adjustable Steel Rivets, which protect the soles from wear and keep the feet from slipping. Rivets easily replaced when partly worn. *Fifty extra Rivets Cost only 30 Cents and should keep the Shoes in good repair for at least two years.* No other repairs ever necessary!

The Steel Shoes are *Corrugated,* which makes them 100 *per cent stronger than ever!*

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Steel Shoes, 6 inches high, $2.50 per pair.

Steel Shoes, 6 inches high, better grade of leather, $3.00 per pair.

Steel Shoes, 6 inches high, extra grade of leather, black or tan color, $3.50 per pair.

Steel Shoes, 9 inches high, $4.00 per pair.

Steel Shoes, 9 inches high, extra grade of leather, black or tan color, $5.00 per pair.

Steel Shoes, 12 inches high, extra grade of leather, black or tan color, $6.00 per pair.

Steel Shoes, 16 inches high, extra grade of leather, black or tan color, $7.00 per pair.

Boys' Steel Shoes, Sizes 1 to 5

Six inches high Boys' Steel Shoes, $2.50 per pair.

Nine inches high Boys' Steel Shoes, extra grade of leather, black or tan color, $3.50 per pair.

Don't sweat your feet and make them tender by wearing hot rubber boots, felt boots or arctics. Throw the old things away. Get a pair of Steel Shoes and learn what foot comfort really means.

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We want you to slip on a pair of Steel Shoes, for we know they will surprise and delight you. Shoes sent for Free Examination on receipt of the price. If not found as represented, notify us to send for them at our expense and we will refund your money at once.

You may be getting good work shoes, but are not getting the *best* value for your money unless you are buying Steel Shoes. *Convince yourself* that your money is being spent to the best possible advantage before buying your next pair of work shoes. It costs you nothing to see Steel Shoes and examine them. They have *got* to look better to you than any other work shoes in the market, or you don't have to keep them.

For general field work we strongly recommend our 6-inch high Steel Shoes, at $3.50 per pair or the 9-inch at $5.00 per pair. For all classes of use requiring high-cut shoes, our 12 or 16-inch high Steel Shoes are absolutely indispensible.

Don't hesitate. Any banker, any express company, will tell you we are responsible. The editor of this paper will do the same. You need Steel Shoes and you need them NOW. Don't put it off, but accept our liberal Free Examination Offer at once, and make sure of getting your shoes promptly.

Send today! No risk! No bother! No obligation! Order direct from this ad. (64)

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Canadian Factory—Toronto, Canada
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Ointment is a wonder worker on a rough and pimply skin. One application soothes and heals, and a few more work a cure.

Heiskell's Medicinal Toilet Soap aids a skin cure by keeping the pores open. If you are troubled by blackheads, tetter, rash or any local inflammation of the skin, use **Heiskell's Ointment.**

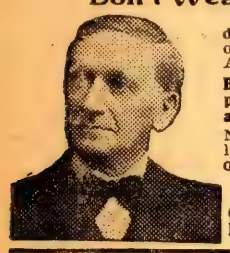
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OINTMENT

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W. R. FOX, Pres., Fox Typewriter Co., 510-520 Front St., Grand Rapids, Mich.

Dear Sir—Please send me a copy of your catalog and write me full particulars concerning your "20 cents a day" payment plan on the new Fox Visible Typewriter. It is distinctly understood that the signing of this coupon does not in any way obligate me to purchase, and that no typewriter is to be sent me unless I decide later to order one for free trial.

Name

Address

Business H 17

their favorite brands of apples in bushel boxes, instead of barrels—and buyers will have to furnish them, or lose trade.

The Advantages of the Box Apples.

It is conceded that the bushel box has popularized the apple so as to make the great commercial orchards possible, especially those on the Pacific coast, and there is a reason for it. It has put the apple into the home of moderate means, in which the provider has not felt able to buy by the barrel. It has also put the apple in the small family; one in which a barrel could not be used up fast enough to prevent some spoiling before they could be used, and it is possible to get cold-storage for them in small places, where they are not equipped to handle barrels. All these things have tended to popularize the boxed apples, and when the **eastern apples** get on the market **in boxes at eastern prices,** the barrel will be doomed for the family trade.

Protect the Trees

Persons living in sections where it is necessary to protect the trees from mice, rabbits, and other pests should order them at once and get them on early. Sometimes the first deep snow sends these pests to the orchards for food, and all the young fruit trees should be protected early. There are a number of good protectors on the market, but anyone can make them from quarter-inch-mesh wire netting, set below the surface of the ground.

Tell all your farmer and fruit grower friends that the issue of this paper for November 15 will be the **"fall spraying number." As every fruit-grower should read it, take their subscriptions at 25c each for a year.** This issue will be worth the price to every fruit grower.

SAMUEL ARMSTRONG HAMILTON
Garden Editor

SOUTHEASTERN MISSOURI.

It was the writer's good fortune to have the chance at one time to hunt and trap in southeastern Missouri, in a forest that contained plenty of canebrake, for wild turkey and some bear and quite a few deer. Two of us took a hike from a small logging town twelve miles through the swamps to a log hut that formerly was used by logging men. This guide had been in these forests for three years, trapping mostly coon, and at the time we were there he had seventy-five traps set four inches under water on logs in the swamps and baited with crawfish for the coon to fish for. This fellow had killed twenty-seven deer and one bear in the three years. He was an expert rifle shot.

The coons at that time were worth 90 cents. We went out one day and brought in eight and they were fine. Well we were there with him for two weeks and we had a most elegant time and loved to hear of his stories of adventure with deer and bear. We lived in Illinois but managed to get one deer to our home, which was the limit of the law. That was the one time of my life having done all kinds of hunting but next year if nothing happens to prevent, three of us are going for one year to Alaska to hunt and trap and would be glad, if any of the brothers has anything to offer from that country in the way of advice, to hear from them.—U. G. Parks, Ohio.

RAW FUR SHIPPERS

The only way for you to judge whether I pay more than my competitors is to send me a shipment and say, "hold separate." I'm willing. Price list mailed free.

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Furs of all descriptions are high. Are you getting full market value? If not, try us with a shipment. We assure you our returns will be satisfactory.

Price list will be complete about Nov. 1st. Send name and address and we will mail you list and keep you posted throughout the season.

We also mail you our "Trappers Guide" containing 100 "Ways and Means" of trapping Fur Bearing animals. Write today.

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COON TRAPPING.

My way of taking coon, when setting especially for him, is to get a good thin piece of tin, polish until very bright, fasten it to pan of trap, get a piece of wire to make your trap fast to a brush then go along the stream where the coon travels. Select a place where the brush is not very thick and where there is a margin of level ground between water and high bank. Fasten your trap chain to a stout bush close to the ground. Place the trap about twelve or fourteen inches from edge of water in the stream, but be careful to have not more than four inches of water over your trap. I count every hungry coon mine if he comes that way.

We have here in the furbearers: mountain lion, Canada lynx, wildcat, bobcat, civet cat, ringtail cat (scarce), a few otter and fisher, marten in the high mountains, bear-black, brown and occasionally a grizzly. All the western varieties of the wolf, which inhabit the west, except in the immediate vicinity of the ocean, skunk and raccoon are quite plentiful. We also have beaver, which are protected by law.—E. E. Bailey, Oregon, in Hunter-Trader-Trapper.

ATTENTION, TRAPPERS!

Up-to-Date Farming is going to start a Trappers Department to run during the comming season, and we want our readers who are interested in that line to help us out.

What success did you have last season? Did you catch much fur, and how did you dispose of it? What prices did you get? Are you going to hunt and trap this season, and where? Tell us all about your work in the woods, your system for catching the different fur-bearing animals, any special tricks you may know to deceive them, and of various traps and snares you use. All of these things will be of interest to our subscribers, and help others of your brother readers to succeed this winter.

If you have had any experiences that will be of interest, let us hear them. They will help to pass away the long winter evenings.

Let us hear from every one who is interested in the success of this department.

I will give you a list of the fur my pard and I caught last fall and last spring, and we are doing this in spare time, four mink, six foxes (red), five white weasel, two wildcats, four skunk, seven bear, two moose, two rabbits, and twenty-six ruffled grouse. We received for the catch $179.30, and of course, did not sell any rabbits or grouse, and only a portion of the moose.

Owing to high prices of rats, fellows that never used to trap turned out last spring to hunt them, some getting as high as 115 spring rats. There are very few left to breed.—J. D. Matheson, Nova Scotia.

THAT'S THE REASON.

"Now, Billie, why do we put a penny in the Sunday School basket?"

"Because we hain't got nothin' less."

When, Where and How to Trap

OUR new illustrated Trappers' Guide—yours free for the asking—is the biggest and most reliable guide published. Reveals valuable trapping secrets and the carefully guarded methods of successful trappers. What we tell you on Animal Baits is as important to any trapper as traps. Full directions on preparing skins for shipment and how to get the most money for them. This book will increase the catch of experienced trappers as well bring success to the inexperienced. The Game Laws of all the States and Canada are given in concise, unmistakable form, with the information you want shown at a glance. We will send you this book free if you write us before all the books are gone.



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Why sell your skins at home when you can send them to us and save all middlemen's profits? New York is the best market in America. We pay cash for hides of Skunks, Minks, Coons, Opossums, Foxes, etc. Thirty years in the business. No commission charged. We stand express charges. Write for price list.

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Send 5c for CAMP AND TRAIL, a great 24 page weekly; or 10c for HUNTER-TRADER-TRAPPER, a big 160 page magazine; both devoted to fishing, hunting, trapping, etc. With either one we'll give you absolutely free, a 64 page book, "Hints for Hunters and Trappers." Contains all the fur and game laws, many hunting and trapping secrets. Worth hundreds of dollars. A. R. HARDING PUB. CO., Box 239, Columbus, Ohio

Silk Remnants

WE HAVE PURCHASED all the available supply of silk remnants from large silk manufacturers and makers of ladies' silk waists and dresses, and offer you the choicest assortment of bright colored and varied patterns silks you ever saw for crazy patchwork. **The designs vary from plain, bright colors to plaids, stripes, polka dots, and comprise all the latest dainty shades. Taffetas, Foulards, Messalines and all kinds of silk that originally cost from $1.00 to $2.50 a yard.** These remnants are odd sized and shaped pieces, and every piece can be used in patchwork. Remember—no small three cornered pieces.

For years we have sold thousands of packages suitable for fancy or crazy patchwork to women all over the country, who now buy from us regularly. Every package guaranteed satisfactory or money refunded.

Single package, 16 cents. Two packages, 25 cents. Nine packages, $1.00. Stamps taken. Special prices to Church Societies or Ladies' Clubs.

SILK PATCH CO., Dept. 16, Williamsport, Pa.

THE OXFORD STREET BUS

IF Mrs Cooper had engaged a trained nurse , as everybody advised, Dick Cooper's romance would never have happened; but she was an ordinary mother, and she elected to nurse her boy herself. He was a big boy—25, and six feet in his stockings—but she thought of him as her baby still.

He was ill a long time, and when he was well enough to sit up occasionally he used to wake very early, and toss about restlessly in bed and when she got him up in the afternoon he was tired, and went to sleep in his chair. So she decided to get him up before breakfast, when "father" was home to help. They put him in the big arm-chair at the window, looking out upon the Norwood road; and that was how he came to notice the Oxford street bus that passed just before nine.

It was an ordinary bus, but it differed from other buses, because it carried a fairy princess on top.

He leaned quickly towards the window when he noticed her; and, as it happened, her eyes rested on his white eager face. "Poor fellow!" she thought, "he is ill." And she smiled pityingly. It was an impersonal smile for suffering humanity, really, but he took it for himself, and, as he had nothing else to do, he thought all day of the princess who smiled, and the smile of the princess.

He was up early again the next morning, and she looked up at the window again and smiled.

"He is ill and lonely," she decided, "and wants somebody to notice him. Perhaps he is going to have an operation or something.

So she smiled at him again.

As it happened, he was there that evening and he smiled and she smiled, and it did her no harm, and it did him a great deal of good, and his mother told his father that he was wonderfully cheerful tonight.

The next morning he went so far as to bow. She was too horrified to do anything but blush.

He bowed again when she was going home in the evening. She gave him just the least inclination of the head.

After that they smiled and nodded regularly twice a day. He grew less white and more cheerful, and sometimes even stood up, with his hand on the chair to bow. She noticed then what a fine, big fellow he was.

One day, however, he was not there to receive a diminished smile and an abbreviated bow. On the following morning the doctor's carriage was at the door. It was Dr. Lyon's—their own doctor—so she knew it. In the evening the blinds were down.

She lay awake half the night wondering what had been done to him, and the next day she had a headache. So she went to see Dr. Lyon about it.

"Pooh!" he said. "There's nothing the matter with you, my dear." He had known her since she was a baby. "I suppose you want me to order you away for a holiday."

"No-o. I don't think so. I saw your carriage in the Norwood road yesterday morning. There's a gentleman at one of the windows who looks very ill."

"Ah-h! Young Cooper. Yes, yes. Umph! He's all right. Just a bit of a relapse; nothing much if he'd keep quiet and behave like a reasonabl being. He worries himself ill because he can't get out of bed and sit at the window. He's rather feverish. A bit light-headed, too. Keeps talking about 'a fairy princess,' and saying her carriage is going by."

One fine morning, a few days later, the princess looked in vain at the window. Then the bus stopped, and she saw him at the gate. He walked very unsteadily, and his mother made the driver keep the bus standing while he climbed slowly to the top. He took the seat beside her, and they smiled and bowed and blushed. He had thought of a lot of fine things to say but what he actually said was "Good morning."

"It is the first time I have been out." he told her, when he found his tongue at last. "I wanted to"—he looked at her—"to thank you."

"You will be more comfortable in the inside seat," she told him. "You can rest your arm, you see, and—do!"

She had thought of some pretty speeches, too, but she forgot them. So they said nothing for a few minutes, only looked at one another when the other wasn't looking. Then their eyes happend to meet.

"Fairy princess!" he whispered. "That is how I have thought of you."

"I am sorry you have thought of me like that," she whispered—and that was not true—"because you now know that your princess was just a girl who went to town every day to earn her living?"

He touched her arm gently.

"I should like her to let me earn it for her," he said, when I am well again. I should soon be well if I knew that she would."

"I hope you will soon be well again," she said, with a happy ring in her voice; and his fingers for a moment held hers.

"Fairy princess!" he whispered again.

She leaned a little—just a very little—toward him; and they drove away together into fairyland—on the Oxford street bus.—Owen Oliver in Journal of Agriculture.

IT TOOK WORK.

Tramp—Your parding, Lady, but this meat ain't what I expected.

Lady—Didn't you ask for something to eat?

Tramp—Yes 'um; but to eat this 'ere meat recuires work.

MAKE A HAPPY NOISE

When you work and strive to conquer,
With a will that knows no fear,
But when fate just rudely swats you
In the thin part of your ear,
Scorn to sit around and tell folks
Of your troubles—sing your joys,
All the world is waiting for the
Man who makes a happy noise.

When you get to feeling muggy
On your luck, and all is sad,
When the best laid plans you thought of
All have drifted to the bad,
Try to give an imitation
Of a snnbeam—join the boys,
All the world is waiting for the
Man who makes a happy noise.

Though you're heading the procession
Or just bringing up the rear,
Though your work is well applauded
Or you very seldom hear
Any word of praise, keep going,
Do not lose your sturdy poise,
All the world is waiting for the
Man who makes a happy noise.

—Frank W. Taylor, Jr.



Our handsome booklet tells all about it.

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No fussy ornamentation or fancy nickel on the Plain Cabinet Glenwood. Just the natural black iron finish. "The Mission Style" applied to a range.

The Broad, Square Oven

with perfectly straight sides, is very roomy. The Glenwood Oven Heat Indicator, Improved Baking Damper, Sectional Top, Drawout Grate, Ash-Pan and Large Copper Reservoir are each worthy of special mention. It can be furnished with fire box at either right or left of oven as ordered.

"Makes Cooking Easy."

Cabinet **Glenwood**

Write for handsome booklet No. 2 of the Plain Cabinet Glenwood to Weir Stove Co., Taunton, Mass.

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22 Models for 1911

$775 to $1,675

The new Overland line consists of 22 models—from 20 to 35 h. p. All have four cylinders — all include gas lamps and magneto.

You can now get anything desirable in size, style or power in the famous Overland line. And whatever you want will cost considerably less than any other equal car.

We have cut the cost of Overlands 28 per cent within the past two years. We have done this by investing over $3,000,000 in the highest type of modern equipment.

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Because of that saving, and our enormous production, Overlands give much more for the money than you get in any other car.

20,000 Now in Use

The Overland is not three years old, yet 20,000 cars are in use. And dealers have already paid their deposits on more than 18,000 of the new-season models.

This amazing demand has been due to creating an utterly perfect car. No Overland owner ever meets a car that is better than his. It would be entirely impossible, at any price, to build a car more economical, more reliable, more trouble-proof.

The parts and materials which go into each car are subjected to more than a thousand inspections. The engines are run for 48 hours before they go into the cars. Then every chassis, before the body is added, is given at least two severe road tests.

As a result of this care, each Overland car sells others. For much of the time the demand has been from two to three times our output.

Many New Styles

Our designers this year have given their attention largely to style and appearance. The mechanism of the cars could not be further perfected.

They have designed a new roadster for $775. It is a 20-horse power 4-cylinder car with a 96-inch wheel base.

They have designed three styles of torpedo roadsters, one of which sells for $850.

They have brought out new ideas in low-hanging, straight-line touring cars—some with the new fore doors. In some of the models you are offered the choice of fore doors or open front with no difference in price. You will note that most makers charge an extra price for the fore-door designs, else they don't make them at all.

Every model has double ignition, the separate cylinders, the five-bearing crank shaft, the unit power plant, the dust-proof case—all in accord with the best engineering practice. Some have the pedal control, some the sliding gears.

Our Interesting 1911 Book

Our book of the 1911 Overlands shows about all the new things in motordom. It pictures all our new models and gives full specifications.

There are five styles of 25-horsepower cars which this year sell for $1,000. The wheel base is 102 inches.

The 30-horsepower Overlands, with 110-inch wheel bases, sell for $1,250. On the touring models you have your choice of fore doors or open front.

The 35-horsepower Overlands, with 118-inch wheel bases, sell for $1,600 and $1,675. All prices include gas lamps and magneto.

Send us this coupon for a copy of the book and the name of our nearest dealer.

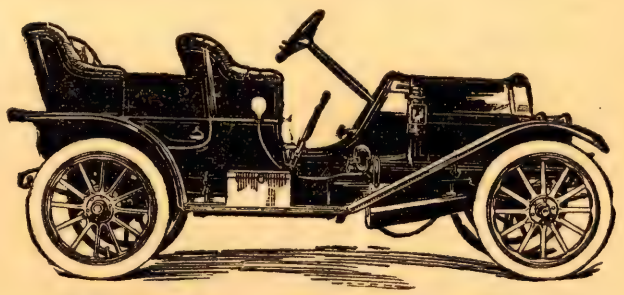
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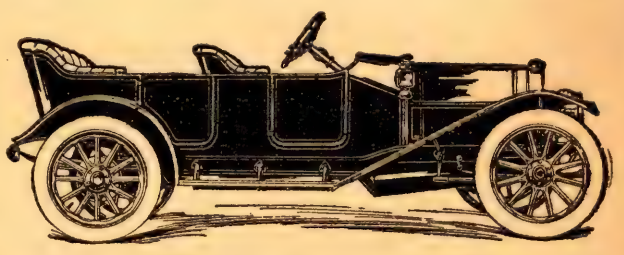
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Our $1,000 touring car--25 h. p.--102-inch wheel base. Five styles of body. The tonneau shown above is detachable, allowing room for milk cans or farm truck.



One of the new fore-door models. Note the straight lines. A fore-door touring car, with 30 horse power and 110-inch wheel base, costs $1,250.

All prices include gas lamps and magneto.

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Let it be your guide to real foot comfort—to shoes for women and children which are honestly made—the best materials, solid leather throughout—careful workmanship—patient attention to those little details which make a shoe dressy, stylish and comfortable—but the shoes speak for themselves. Ask your dealer to show you

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THINGS WORTH WHILE.

COFFEE stains can be removed from the most delicate silk or woolen fabrics by brushing the spots with pure glycerine. Rinse in lukewarm water and press on the wrong side until quite dry. This will work even though the coffee may have had cream in it, for the glycerine absorbs the grease as well as the coloring matter.

Cut cheese may be kept perfectly fresh and moist by wrapping in a cloth that had been wet with vinegar and wrung out as dry as possible with the hands, the whole wrapped in paper or put in a paper bag and put in a cold place. The cheese will remain as fresh as though it had just been cut.

To prevent sliced apples from turning brown they may be put in cold water as soon as peeled and sliced; but if allowed to remain too long in the water there will be a loss of flavor.

A good white wash may be made by stirring the required quantity of whiting, say six pounds, into cold water, being careful to leave no lumps. Soak three ounces of glue in cold water for twelve hours, then warm until the glue is all dissolved. Heat the mixed whiting and pour in the glue, stirring thoroughly. The wash should be of proper consistency to be applied with a whitewash brush, and the brush should be cleaned when done using it. A pure lime whitewash is best for cellar work.

Hot milky water is better to wash tin vessels in than soap and water. Tinware thus washed will not require the scouring that soap washed tin does, and it, therefore, remains bright much longer. All tin vessels should be turned bottom upward when emptied and put away. The remaining drop of liquid that may be left in them is what wears them out.

To make velvet look like new, dip a brush in damp sand, and lightly brush the velvet. This, says a correspondent, will make the velvet look fresh and nice.

A reader gives this simple formula for dumplings: One cup of flour, a pinch of salt, and a spoonful of baking powder; mix with cold water into a thick batter; drop into the soup or the other article with which it is to be cooked. The dumplings will be light and wholesome.

A lady writes that the paraffin paper in which kitchen soap is wrapped is the best thing to keep the flatiron from sticking when ironing starched clothes. She saves all these papers, and when ironing has some of them lying where she can pass the flatiron over them. The iron is kept clean and smooth.

To prepare horseradish for table use, grate the roots, and to a teacup full of the grated root add one teaspoon of white sugar and one and a half pints of good vinegar; bottle and seal. October and November is the best time to put up horseradish.

Did you ever try baked cabbage? A lady tells how she does it. Take a cabbage of suitable size for the family; chop it fine and stir in a tablespoon of flour, a half cup of water and a little mustard; put into a baking dish, cover the top with slices of bacon, cover the dish and bake about an hour, or until the cabbage is tender. If the top is to be browned, remove the cover a few minutes before removing from the oven.

If a loaf of bread is left over and becomes dry and stale, dip it in cold water and bake in the oven until heated through, wrap in a damp cloth, and when cold it will be the same as fresh baked.

"Children Teething"

Mrs. WINSLOW'S SOOTHING SYRUP should always be used for children teething. It soothes the child, softens the gums and allays all pain, cures wind colic and is the **best remedy for diarrhoea. Twenty-five cts.**

THE WAR ON DRINK IN ENGLAND.

ENGLAND affords a good example of a successful effort to restrict the liquor traffic and discourage the drink habit. A book has just been issued by the British home office, which shows the abolishment of 1,700 licenses for the sale of liquor, which resulted in there being 18,285 fewer convictions for drunkedness and other crimes resulting from drink. This decrease, says the report, is spread over nearly all parts of the country. In London, where there were 1,921 fewer convictions. Reduction of the traffic reduces drink, and the reduction of drink diminishes crime. That is true not only in England but everywhere.

THE CROSS WORD AT HOME.

WE remember a girl whose fondest dream was that she might have a home in which no cross word would ever be spoken. As the years passed on, she had a beautiful home, and a family of bright and interesting children grew up around her, but it was not entirely free from the dreaded cross word.

It is strange how prone people are to have flashes of anger, and to use sharp, cutting, angry words. And the strangest part of it all is that these things occur more frequently in the home, where all sincerely love each other, than anywhere else. This anomalous and regretable fact may be attributed to the everyday familiarity of the inmates, and not to evil in the heart or lack of love. The sweet relationship of home is short-lived. Soon this one will go, and then that; and by and by the sweetness of it all will be only a memory. And when that time comes the cross words will be memories too; and a heart will ache for every heart ache made in the old home, and a tear will be shed for every tear caused by a cross word. Oh, for greater consideration and purer manifestations of love in the home. Shut out the cross words.

TOO SMALL AND COMMON A JOB.

MANY of us are always ready to undertake the great things, but we are too prone to shun the small. The results are well told by a popular writer in one of our exchanges:

You will not have to go far to find men who are all the time complaining that luck is against them. They have not been prosperous as their neighbors have. They have worked hard, early and late. They have done their very best and yet success is over the hill out of sight.

It doesn't take much of a man to look out when big things are at stake. Give most any of us a pocketbook with ten thousand dollars in it and we will get out the shotgun, barricade the doors and sit up all night to see that nobody gets a penny of it away from us. But if only a dollar is given us for some insignificant job, we esteem it very lightly and think no more about it. Yet we are likely to find a thousand dollar jobs before we find one thousand-dollar job.

It is one thing to drive out a splendid reaper, all red and gold, to gather in the wheat crop waving a hundred acres wide, and altogether another to pull on a pair of overalls and get down to the little jobs that come from day to day.

You can go out and boss a score of men easier by far than you can clean one hen-house yourself. That makes a fellow snort and sweat and groan, for ten days afterward.

The thing of it is, the things we can all do seem too small for us to do, and so success sits away over yonder and laughs at us from the top rail of the fence. She is ready to get down on our side if she sees we really want her—want her enough to use her right if she comes—but no streak of lightning is quick enough to catch her if she is slighted.

Thousands of books have been written on how to win success. They all have good things about them. Most of them are written by men who never knew how to save a cent after they got it, and yet, you can learn something from the writings of every body.

The truest and best recipe that ever could be written for the acquirement of success, however, may be put in just two words—be careful!

That doesn't mean to go around with a face as long as a hammer handle and a look in the eyes as if one had lost his last friend and expected to go pretty soon himself. That isn't being careful, that is being full of care.

The careful man sees the thing that needs doing, small as well as great, and has the grace to do it the very best he can. The careful man thinks of the details. He keeps the ends tucked in. He thinks and plans great things, but he has an eye out all the time for the very smallest particulars of business.

And he wins.

SAVING STEPS.

AS much as anything else we have pleaded with the busy housewife to save the steps. Sometimes we have done this to an extent that has not been appreciated by those whom we would help. We would not have the housework neglected. Nothing do we appreciate more than good housekeeping, and we love every woman who always keeps her home neat and tidy, doing everything in its season, and keeping everything clean and in its place. That requires work and multiplied steps. There is no getting around that; but we want every step saved that can be. Thought, judgment, brains, must help hands and feet. Never make two trips to the same place when one trip can be made to answer a double purpose. Acquire a knack at getting help from the children. If managed right, everything done by the child will be a labor of love, and the child will be the better for having done it. It may not be done so well nor so quickly; but each time

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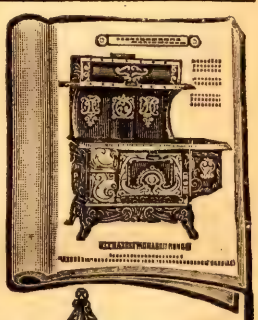
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will show improvement, and steps will be saved.

We have been in homes where nothing was ever picked up and put to rights. What a fearful manufacturing of steps! There must be a righting sometime, and then comes the steps.

Arrange things in convenient places. This is particularly applicable to the kitchen. There are many things there that must be handled often, and some of them at or very near the same time. They should all be so arranged that they may be reached without a step. That is only an example. There are many such cases in housekeeping. The pleasures will be multiplied and the days brightened for those who, without drifting into negligence of failing to keep the home clean and neat and bright, yet learn to save steps in doing it all.

STARVING THE SOUL

THE real curse of poverty, says the Rev. Charles Stelzle, is not so much the lack of opportunity. It is the opportunities to broaden life that come with the possession of money, which gives a greater chance for happiness, and it is the limitations brought by poverty that causes misery.

The worst kind of poverty, continues the writer, is that which calls for the sacrifice of the inner life. It is bad enough to have the body go hungry, but it is far worse to starve the soul. It is soul starvation that holds the poor down. Many rise from poverty to high places, positions of trust and honor, but these are not the soul impoverished. They found the means for growth of soul. These seldom come form the ranks of the city poor. The most hopeless and most miserable of humanity are the city's deseperately poor. They are starved both soul and body. They see better things, but know they can never attain them; they have not the opportunities. These have already been taken by the more fortunate.

To the everlasting credit and honor of agriculture and the home on the farm, let it be said that almost all who raise from poverty to greatness come from the homes on the farm. In spite of the plain clothing and humble fare, there is soul food on the farm. The body grows there and is vigorous and healthy. Ambition comes with the growing crops and the inspiration of hope with the harvests. Opportunities are found or made, and the expanding mind means a growth of soul that leads upward until the sun glow that brightens the summit is reached.

The boy or girl on the farm may feel the sting of poverty and become impatient and restless, but there may be a growth of soul that will defy the limitations that hold the city's poor, and on Nature's own path lead to brighter skies.

Every woman should have a copy of the Kalamazoo Stove Co's. catalogue. it is a big, handsome affair, and is sent free to any of our readers. Simply address Kalamazoo Stove Co., Kalamazoo, Mich., and ask for catalogue No. 290.

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Other Neighbor—You wouldn't say that if you had been at my house when I left the garden gate open and let the hens in.

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"You are accustomed to rowing, I suppose?"

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3205—Childs' Drawers, without seams, except below the openings at the sides, 2 sizes, 1 and 2 years. Size 2 years requires ⅞ yard of material 36 inches wide, 1⅛ yard of edging.—*Price of pattern* 10c.

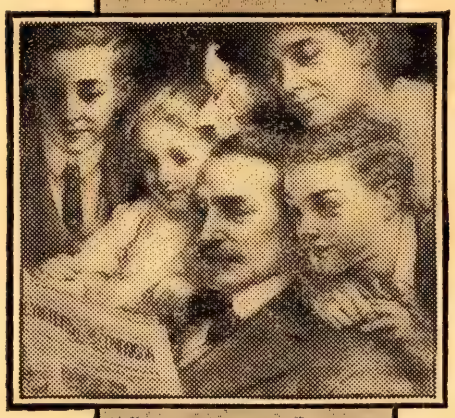
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The Pioneer Boom is well under way, and it is only a question now as to who will help it most, or who will let it go on without doing anything. Really it is a very simple matter. Find just one friend who wishes to pay 25 cents for what so many people say is the best farm paper published, the first teacher of Equity and the Cadets' friend. Send it in and the work is done. You are not only a Cadet but a Pioneer of Equity also. On with the boom.

We publish another letter from the Cadets' own little afflicted girl in Tennessee:

DEAR CADETS: I come this time to thank you all for your help to me, and to tell you how my piano fund is growing. I now have $7.25 and 46 orders for my picture, the proceeds of which go into the piano fund. The pictures are now ready for delivery, and I will send one to every person who sends me 25 cents for the fund.

I think it was so good of Miss Harmon of Lashmeet, W. Va., to start the chain letter. Don't you all? She never saw me, and never heard of me only as she saw my first Cadet letter. It was her own good heart that prompted it. I now have about 300 leters and cards from Cadets. Oh, what pleasure they are to me! My mail has been a part of my life this summer. I have answered all that sent a stamp. Haven't we a kind editor and a good paper? Why not all get subscribers for Up-to-Date? I am sending two with this.—Nelly Tipton, Maryville, Tenn.

DEAR CADETS: I am 15 years old, have bronze hair and blue eyes, am about 5 feet 5 inches tall and weigh 124 pounds. I live on a farm of 80 acres, of which about 20 acres are cleared. We have 14 head of cattle and 2 horses. I would like to hear from some of the Cadets.—Elsie Eager, Hiawatha, Mich.

DEAR CADETS: I am 10 years old, and I can't say too much for our Up-to-Date paper. My home was in Athens, Ohio, but we have moved here. My pa and ma and two brothers drove through in seven weeks. O, what a good time we had camping by the roadside! We all like Minnesota well. I hope some of my Athens friends will read this and send me a card.—Amy Ballard, Bertha, Minn.

DEAR CADETS: I am 14 years old, and have a brother and a sister, both younger than myself. My mother is a subscriber for Up-to-Date Farming, and I like to read the Cadet letters. I would like to hear from some of the Cadets.—Wanda Geldage, Edmonds, N. Dakota.

DEAR CADETS: Will you accept the company of a stranger in your corner? I am a Missouri girl, and I live on a farm of 200 acres. We now (Aug. 5) have threshing and hay harvest, and it makes lots of hard work for farmer girls. I am 16 years old, and have finished the 10th grade of a three year high school course. We study our books and work on the farm, and for our fun a crowd of young people meet somewhere and have a game of croquet. We also have music and enjoy it very much. I would like to receive cards from the Cadets.—Virgie Hendricks, Urich, Mo.

DEAR CADETS: I am 13 years old, and live on a 200 acre farm, where we raise corn, wheat and oats. I like country life. I have a pony I can ride, and I help to milk the cows every night and morning. Mama raises chickens, geese and turkeys, and I help take care of them. I think girls and boys have better times when they live on a farm, for they can get plenty of exercise. I always have a nice time my birthday, for it is in the winter, January 25. I go to a country school, but we do not keep grades. I would like to receive cards from the Cadets, and I promise to answer every one.—Ruth Hendrick, Urich, Mo.

DEAR CADETS: Would you like to hear from a South Dakota girl? I live on a farm of 160 acres, about 15 miles west of the Missouri river. Many wild fruits, such as plums, buffalo berries and currants, grow along the river. I am 16 years old, have light brown hair and blue eyes and am 5 feet tall. We came from Michigan nearly two years ago. There are no trees here, only along the creeks and rivers. The crops consists of wheat, oats, barley and corn. We haven't taken Up-to-Date Farming long, but we think it a fine paper. I love to read the Cadet letters.—Arvilla Loudon, Dixon, S. D.

DEAR CADETS: I am a little girl 11 years old, and live on a farm and go to school every day. I have only one brother, and he is 18 years old and teaching. I have three sisters and two of them go to school with me; we have to walk a mile. My brother has taken Up-to-Date ever since I can remember. I will exchange cards with any of the Cadets.—Katherine McGovern, Free, Ky.

DEAR CADETS: I live in the mountains on the Penasco river, 10 miles from Cloudcroft, the famous summer resort. My father is a farmer here. I go to school at Logwood, where Miss Nina Mynott of Nashville, Tenn., is the teacher. Her pupils are all very fond of her. I am 11 years old, and will make the 6th grade this year.—Kimberlin Carlisle, Cloudcroft, New Mexico.

DEAR CADETS: I live on a farm and like it very much. I was 14 years old August 7. We have been taking Up-to-Date, and think it a fine paper.—Anna Young, Reed City, Mich.

DEAR CADETS: I am a little girl with blue eyes and light hair. I live on a farm of 40 acres. My pets are a pig, a calf, a dog, a chicken, a big black cow and a horse named Prince, who is very tricky. I have lived on the farm all my life, and I like it very well. I have neither brother nor sister. I am 9 years old and go to school to Miss Hazel Angell. We think Up-to-Date a fine paper.—Lorene O'Brien, Reed City, Mich.

DEAR CADETS: I am 13 years old, and in the 8th grade. I am getting along well in school. My last teacher was Verna Hornby, and I liked her real well. My parents are subscribers to Up-to-Date Farming, and we all like the paper. We live on a farm and that is a good place to live.—Lynda Kassner, Lakeview, Mich.

DEAR CADETS: I am 15 years old and live in Monaco, Pennsylvania. Our family is camping out (Aug. 5) along Raccoon creek, seven miles from town. We call it Bingville camp. It is never lonesome, because we have company nearly every day. We went berry picking yesterday. Blackberries are plentiful here this year. The creek is very low just now. We go in swimming every day that it is warm enough. I have been a reader of Up-to-Date Farming but a very short time, but I like it very much. I would like to exchange cards with any or all the Cadets.—Elsa Miksch, Monaco, Pa.

DEAR CADETS: I am 13 years old and

How to Get Rid of Catarrh

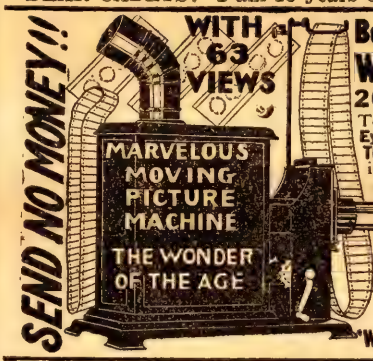
A Simple, Safe, Reliable Way and it Costs Nothing to Try

Those who suffer from catarrh know its miseries. There is no need of this suffering. You can get rid of it by a simple, safe, inexpensive, home treatment discovered by Dr. Blosser, who, for over thirty-six years has been treating catarrh successfully.

His treatment is unlike any other. It is not a spray, douche, salve, cream, or inhaler, but is a more direct and thorough treatment than any of these. It cleans out the head, nose, throat and lungs so that you can again breathe freely and sleep without that stopped-up feeling that all catarrh sufferers have. It heals the diseased mucous membranes and arrests the foul discharge, so that you will not be constantly blowing your nose and spitting, and at the same time it does not poison the system and ruin the stomach, as internal medicines do.

If you want to test this treatment without cost, send your address to Dr. J. W. Blosser 106 Walton Street, Atlanta, Ga., and he will send you by return mail enough of the medicine to satisfy you that it is all he claims for it as a remedy for catarrh, catarrhal headaches, catarrhal deafness, asthma, bronchitis, colds and all catarrhal complications. He will also send you free an illustrated booklet. Write him immediately.

SEND NO MONEY!! **WITH 63 VIEWS**



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We Give This Wonderful MOVING PICTURE MACHINE and other **200 PRESENTS FREE**

To Boys and Girls who sell our **New Gold-Eye Needles** at only **5 cents a paper. EASY TO SELL,** because you give **FREE** a silver aluminum thimble with every 2 packages. Your neighbors buy—you out in a few minutes.

WE TRUST YOU! Write plainly your name and address (use postal) ordering 25 papers of needles and 12 thimbles; we mail, postpaid at once. Sell—return our $1.25, selecting the Premium on our Big 200-Book shows you entitled to.

Order today—extra prize for quick work. Big cash commission if you prefer

Earn All These Presents in a Few Days!



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95 cents Post Paid

$15.00 for 95 Cents

Cut this out and send it to us with your name and address and 95 cts. to pay for postage, packing and cost of this advertisement, and we will send to you by return mail postpaid this elegant Watch and Mdse. Certificates worth $15.00. Certificates can be used at any time in purchase of goods from our catalogue (total value of watch and certificates $15.00), all for 95 cents. The watch is regular gentlemen's size, open face, solid nickel silver plated dust proof case, with genuine American lever movement, stem wind & set & fully guaranteed. This offer is made to introduce our watch & jewelry catalogue, and only one watch & certificates will be sent to each person ordering. Send 95 cents TODAY as this advertisement may not appear again. Satisfaction guaranteed or money refunded. Address

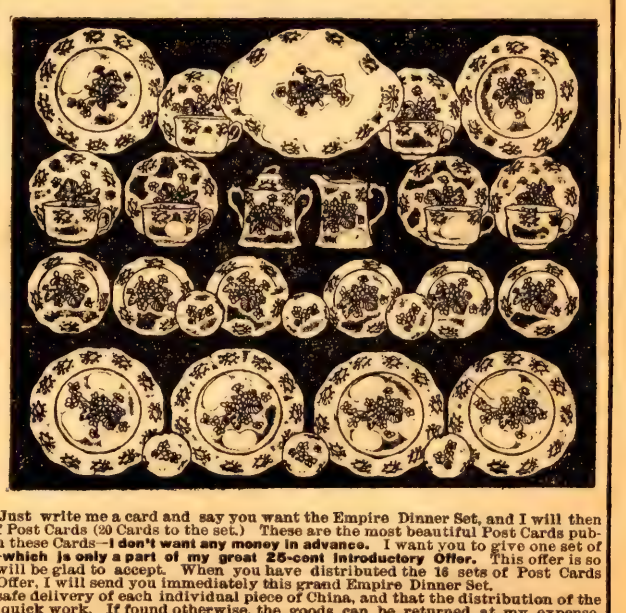
(R. E. Chalmers & Co. are thoroughly reliable and have been established since 1888) **R. E. CHALMERS & CO., 356 Dearborn St., CHICAGO.**

FREE This Grand Empire Dinner Set FREE

I am going to give every woman who answers this advertisement one of these Grand Empire Dinner Sets.

Never before was a plan devised that was quite so simple and easy, and never before was such a valuable and beautiful Dinner Set given which required so short a time or such small effort to get.

This Grand Empire Dinner Set is a high-art production of the famous Carrollton Potteries, noted makers of American Chinaware, which in itself is sufficient guarantee of the excellent quality of the Empire China Sets, which comprises 34 pieces in all. Each made from clays imported from Europe which places it on a par with the finest of imported ware. They are all of the highest grade (not seconds), light in weight, very tough and very durable, snowy white in color, except the decorations, with Haviland glaze which gives it a smooth and velvety appearance.



THE DECORATIONS

The small reproduction can give you but a faint suggestion of the artistic effects of pleasing colors. Purple petalled wood violets with broad green leaves against a background of vining ferns compose the center ornamentations, while the burnished gold scroll forms the border design of each individual piece, and, best of all, the decorations are buuned into the China and are therefore as permanent as the China itself.

Read My Easy Plan for Getting this Wonderful Empire Dinner Set.

DO NOT SEND ANY MONEY. Just write me a card and say you want the Empire Dinner Set, and I will then send you, all charges paid, 16 sets of Post Cards (20 Cards to the set.) These are the most beautiful Post Cards published in America, I trust you with these Cards—**I don't want any money in advance.** I want you to give one set of 20 Post Cards to 16 of your friends—**which is only a part of my great 25-cent Introductory Offer.** This offer is so very liberal that almost everyone will be glad to accept. When you have distributed the 16 sets of Post Cards on my Special 25-cent Introductory Offer, I will send you immediately this grand Empire Dinner Set.

I POSITIVELY GUARANTEE the safe delivery of each individual piece of China, and that the distribution of the Post Cards will be easy, simple and quick work. If found otherwise, the goods can be returned at my expense.

Send me your name and address today. Do not send any money. I will then send you the outfit, all charges paid. It will be only a few days until you have this grand collection of Empire China.

H. L. SIMMONS President 51 Factory Street, SPRINGFIELD, OHIO

live on a farm of 236 acres in Logan county, Illinois. We raise corn, wheat, oats, rye, millet and potatoes. I believe the farm is the best place for boys. My father raises horses, cattle, hogs, and thoroughbred White Leghorn chickens. My brother and I go to a country school and have a splendid teacher. I have two sisters, Ruth and Esther. My brother Charlie and I help our father with the stock and farm work. I have many pets, among them a horse and colt, a calf and some pigs, and 30 pigeons. My sisters are too little to go to school, but they will write you when they are old enough. I would like to receive post cards from any of the Cadets. I think Up-to-Date is a fine paper.—Dale French, Elkhart, Ill.

DEAR CADETS: I am 11 years old, and live in Illinois. I like Illinois fine. I go to a school called Sunnyside, and am in the 7th grade.—Charlie French, Elkhart, Ill.

DEAR CADETS: I have been a reader of your paper for nearly two years. I did not write, as I thought I was too old. I am 17½ years old, 5 feet 8 inches tall, have light hair and gray eyes, and weigh 140 pounds. I live with a relative on a farm of 320 acres in Cavalier county,. I am a city boy, but I would not live in a city now if I were paid to do so, as there is not room enough, nor the lovely clear air that we have in the open prairie. We want all our neighbors to take the good old Up-to-Date. I think it the best paper for the whole family, as it gives such good advice to all. Our crops are pretty poor this year, and much (Aug. 8) is being plowed down for summer fallow. I would like to receive letters or cards from the Cadets, and I will answer all as soon as I possibly can. I hope to be a Pioneer of Equity soon.—Fred Latchell, Milton, North Dakota.

DEAR CADETS: I am a Nebraska girl, 13 years old, and weigh 117 pounds. I live in the country and like it fine. We raise corn, oats, wheat, rye and cane. We are making hay now (Aug. 6). I think it is fun to see them stack hay. I have a brother 11 years old who drives the stacker team. I love to ride horseback. I take Up-to-Date and think it is a fine paper.—Eile McInroy, Alliance, Neb.

DEAR CADETS: I am a girl 13 years old. I have a sister, Ethel, older than I. Sometime ago she became a Cadet, and has received cards from two of the Cadets. I and sister are orphans, and haven't a relative in the world.—Della Hewitt, Reed, Ky.

DEAR CADETS: I am 13 years old and live in the country. I like to read the Cadet letters very much. I have nearly 400 post cards. I sent a card to Gertrude McMillan, and was wondering why she didn't answer, when I saw her mother's letter saying she was dead. I was very sorry. I would like to exchange cards, and will answer all I receive. — Dollie Potts, Montclair, Colorado.

DEAR CADETS: Can you make room for a Pennsylvania girl nearly 18 years old? I have been reading the jolly Cadet letters until I got a notion in my "punkin" that I would like to be a member of such a happy family. Say, would it not be a jolly gathering if all the members could be together in a great big field? Wouldn't that be fine? I quite agree with the Cadets that farm life is best, but I live in the city of Harrisburg. This is a nice place to live, but there is no air so fresh and healthy as good country air.

I have been a sufferer with rheumatism for four years, and have tried every remedy imaginable, and have had seven different doctors, so I ask the Editor's and Cadets' advise as to going to a hospital. I am thinking seriously about going, but mama and papa are a little doubtful of benefits. I anxiously await the advice and I also so desire to be a Cadet.—Anna L. Moyer, 529 Violet Avenue, Harrisburg, Pa.

I regret that this letter has been delayed since August, but I could not get to it until now. The Editors cannot advise as to the hospital, Anna, for we do not know enough about your case. Sometimes benefit is received, and sometimes not. It is better to leave the matter to your parents and physicians. We sincerely hope you may recover.

DEAR CADETS: Will you admit a girl from the West? I live in the country and like it fine. I have brown hair, blue eyes, am 5 feet 3 inches tall, weigh 95 pounds, and was 14 years old the 20th of March. We take Up-to-Date and think it a good paper. I would like to exchange cards with the Cadets.—Emma Ediger, Portland, Oregon.

DEAR CADETS: I am a farmer's daughter, 15 years old, 5 feet 5 inches high, and weigh 120 pounds. I live on a farm of 60 acres. I have been reading some very interesting letters the Cadets have written and I would like to be one.—Eva Doyle, Brady, W. Va.

We have again filled our space. This time I have been able to go back to the left-over letters, and some will find their letters they had ceased to look for. Cadets should never write business matters in their letters. All business matters should be on a separate sheet, and should go to the business office. The Cadet letters go to the Cadet editor, who lives on a farm away out from the city. I must say goodby now. I want every one to become a Pioneer. It is so easy, and it will help UP-TO-DATE and the cause we all love. Use this coupon.

Declaration—Equity is equality of rights, privileges and opportunities; and I am in favor of Equity in all the relations of life.

Pledge—I will do what I can to secure its adoption and practice in my neighborhood and throughout the world.

Name .....

Address .....

Subscriber's name.....

P. O..... State.....

From Oven Door to Farm House Door

That sums up the whole story when you buy soda crackers by name—

Uneeda Biscuit

As soon as they are baked they are placed in moisture-proof packages. In this way they are kept free from dust, damp and other harmful conditions.

This means that you are *always* assured of fresh, clean, crisp, unbroken soda crackers no matter *where* you buy them or *when* you eat them.

They come in five cent packages.

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NATIONAL BISCUIT COMPANY

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

Agents Wanted

AGENTS WANTED—to sell trees and plants. Steady work. Highest commissions, payable weekly. Clean, straightforward proposition. Write for free outfit. Perry Nurseries, Rochester, N. Y.

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GREELEY COUNTY, KANS.; 160 acres; $13,000, smooth, level, uninproved; $500 down, balance easy terms. Clement L. Wilson, Tribune, Kansas.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

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FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

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RAILWAY MAIL CLERKS WANTED—Salary $800 to $1600. Annual vacations with full pay. Examinations everywhere, Nov. 12th. Thousands of appointments coming. Common education sufficient. Influence unnecessary. Write for list of examinations. Preparation free. Franklin Institute, Dep't. B-27, Rochester, N. Y.

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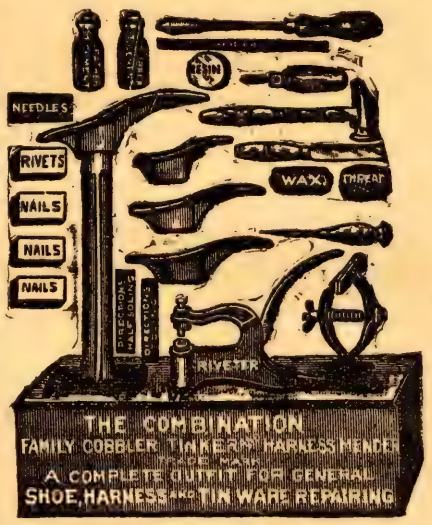
TAKE NOTICE—T. J. Hoover, Phila., Pa., sells poultry, eggs, apples, potatoes, onions, cabbage, carloads and less.

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TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

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THE COMPLETE FAMILY COBBLER TINKER, HARNESS MENDER AND RIVETER



A Complete Outfit of Tools, etc., for General Shoe, Harness and Tinware Repairing. Excels all other sets put up.

The standard and lasts are malleable iron and will never break. Beware of other sets with grey iron stands and lasts which are sure to break unless extreme caution is always observed. We are the only people offering the malleable, that we know of, and at no higher price.

See What You Get--All of This!

Contents—1 iron stand for lasts, 1 iron last for men's work, 1 iron last for women's work, extra large size, 1 iron last for boys' work, 1 iron last for children's work, 1 shoemaker's hammer, 1 shoemakers' knife, 1 peg awl, 1 patent peg awl handle, 1 harness awl, 1 harness awl handle, 1 ball shoe thread, 1 ball shoemaker's wax, 3 shoemakers' needles, 3 harnessmaker's needles, 1 package 3-8 in. half-soling nails, 1 package 4-8 in. half-soling nails, 1 package 5-8 in. half-soling nails, 1 bottle leather cement, 1 bottle rubber cement, 1 saw and harness vice, 1 riveting machine, 1 box rivets, assorted sizes, 1 soldering iron, 1 soldering iron handle, 1 bar solder, 2 pair heel plates, 1 box resin, 1 copy directions for half-soling, 1 "directions for tin repairing.

Securely packed in wooden box for shipment by freight.

This is the only set on the market with a riveting machine, which will be indispensible on every farm.

Our Offer FOR ONLY $2.00 we will send one of these complete outfits and a years subscription to UP-TO-DATE FARMING. The subscription may be a new one or a renewal. Freight to be paid by receiver. They take a low freight classification and cost will be very little.

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THE LOCAL UNION



FOR THE DISCUSSION OF ALL FARM PROBLEMS
FOR THE ADVANCEMENT OF CO-OPERATIVE FARMING

Up-to-Date Farming
PUBLISHED TWICE A MONTH
EQUITY PUBLISHING CO., Inc.
Indianapolis, Ind.

J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

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What profiteth it the farmer if he be very successful in producing if he cannot sell his produce on a market that will give him a profitable price?

—o—

The only weak point in the American farmers program is in his marketing system. At every turn, whether buying his supplies or selling his crops, he meets organizations and combination yet, almost entirely he stands alone in business, competing with his neighbor instead of cooperating with him.

—o—

True he has his local organization in many places, thousands of them. But we have said many times that they are very little benefit to him. These local organizations, acting independently cannot solve the national marketing problems. To do that there must be centralization of reports and direction that all feel and act upon—we might say, all the producers of a crop acting as **one man.**

—o—

Such is the system that this paper is establishing. It is a practical system and when established will solve today's farmers' greatest problems.

—o—

The only question confronting farmers now is, will they use the system, WILL THEY ACT?

—o—

To make our points clear and to show how the Equity System of Marketing will meet present-day needs we print below a grist of reports gleaned from our exchanges in one day, Oct. 5th:

—o—

A dispatch from Detroit, Michigan, says:

Potatoes have declined steadily this week and they are now selling here at 50 cents. Commission men say prices to farmers range from 40 to 45 cents, an unusually low figure for this time.

—o—

Also from Chicago, Oct. 4th:

Potatoes steady, fair to fancy, 50 to 60 cents.

—o—

From our representative's report on the Kansas City market of Oct. 3rd we quote:

The market price here today, on potatoes, ranges from 70 to 80 cents, according to quality.

—o—

These reports show a difference of 20 to 30 cents a bushel between Detroit and Kansas City and 20 cents a bushel between Chicago and Kansas City. Naturally Michigan potatoes go to Chicago, Detroit and other markets in that section. But, if the growers of Michigan will use the Equity System they can almost immediately select the highest market in the country. There may have been higher markets than Kansas City, on Oct. 3rd and 4th, but on the basis of that market, after paying the difference in freight, the gain would have been 10 to 15 cents a bushel, if shipped direct from loading station.

—o—

The Equity System would be a Godsend to the cabbage growers of Fremont, O., if they would use it. Read this:

Fremont, O., Oct. 4.—The sauer kraut famine, which was threatened a month ago, has been averted by the heavy rains of the last few days. Cabbage, which was selling at $10 a ton during the dry spell has dropped to $3 and is plentiful at that price. All the plants of this city, which is the sauer kraut center, are working overtime.

—o—

On Oct. 3rd the Equity System representative at St. Paul, Minn. reported as follows: "Cabbage is wanted and the price here is $13.00 to $15.00 a ton."

From Ohio to St. Paul is a long haul but even with the high freight it would give the grower much more than the local price. We have not attempted to canvas all the markets in the Equity System for the value of cabbage, as the seller would, or, no doubt, other markets that would pay good prices could have been found nearer home.

—o—

Compare $3.00 a ton to the grower with the price consumers pay in the winter. If you will do some figuring you will find that stored cabbage rarely reaches the consumer at less than $75.00 to $150.00 a ton. Through the Equity System of Marketing producers can store their own stuff and thus maintain equitable prices the year around.

—o—

The market reports reveal some anamolous conditions as regards apples also, as follows:

Salina, Kan., Sept. 29.—The largest and finest apple crop ever grown in this part of the State is being harvested now. Farmers who stored their fruit last year are perfectly willing to let the other fellow speculate. Jonathans are exceptionally good and buyers are loading up all they want at 65 cents a bushel.

—o—

From another point in the same State comes this:

Clay Center, Sept. 29.—The apple crop is enormous. 50 cents a bushel for Jonathans and 40 cents for Ben Davis are the prevailing prices.

—o—

A report from western New York of the same date quotes the prices paid to the growers were over $1.00 a bushel, going as high as $1.50. The Equity System will equalize values as, a producer, no matter where located, will be in almost immediate communication with all the markets. Under such conditions the Kansas and New York apples would come in exact parity of values. Under the Equity System he would be a stupid person indeed who would permit a buyer to pull the wool over his eyes and secure his produce at less than its real value.

—o—

The Equity System is teaching farmers the value of thinking for themselves, and of doing more of their own business. In the past farmers permitted the other fellows to do the thinking and his business, while he worked as hard as he could to raise all the stuff possible, to make the most business for them. With their own representatives on all the leading markets to give personal atention to their inquiries and their shipments, it is just as safe and simple for farmers to sell on the final market as to sell at home.

—o—

The Equity System of Marketing brings to farmers every opportunity to send their produce direct to the best demand as indicated by the highest price, and on short notice. Before this system they were blind to the final demand and prices, sold at home and let profits slip because there was no one to keep them posted.

—o—

Farmers must work together more, in a "trust" if any person choses to call it such, if they ever get all their crops bring on the final market, and if they ever expect to be price makers on what they create. The Equity System of Marketing is merely a plan to put more of the money crops finally sell for, into the producers' pockets.

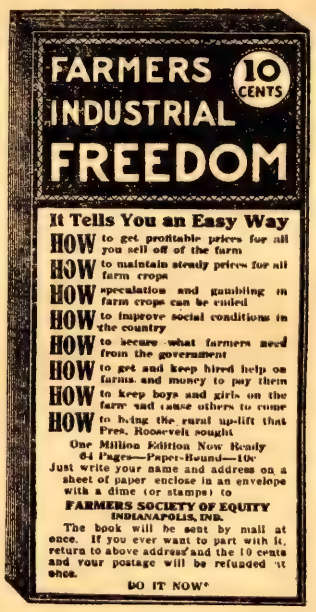
—o—

The Equity System of Marketing is the first genuine opportunity farmers ever head to eliminate a lot of their exploiters and close many of the old toll gates. **Are they going to prove themselves good enough business men to embrace the opportunity? Many are doing it every day, BUT WHY DON'T ALL OF THEM DO IT AT ONCE?**

—o—

Each farmer must work out his own problems, but in doing that he will at once be strengthened and upheld by the thousands of his brother farmers who are already working to establish an ideal marketing system. THE FIRST STEP FOR HIM TO TAKE IS TO SEND THE HEART COUPON ON THIS PAGE.

Market no More Crops the Old Way--- The Equity System is Better



The purpose of the **Equity System of Marketing** is to transfer the price making power from gambling and speculating Boards of Trade and Produce Exchanges in the cities to the farmers who produce the crops; from the organized interests in the cities to the co-operating farmers in the country. **Everything will be made clear to you if you will send the coupon.**

Some of the Advantages Are—

Direct shipping, many toll gates avoided, personal representation on all leading markets, honest grading, correct weight and count, glutted markets avoided, the highest market prices, honest returns and eventually, absolute control of marketing by the producers who will also become price makers on their own produce.

These advantages should cause the producers of all crops—grain, potatoes, live stock, cotton, hay, broom corn, rice, fruit, vegetables, poultry, eggs, dairy products, wool, tobacco, etc., to use **THE EQUITY SYSTEM.**

MR. FARMER:

It is the farm to which you look for a living and profit. Therefore should you not at once be interested in an organization with plans as sound as Mother Earth herself and a system that will give you **ALL** to say about the prices your crops shall sell for.

Of course you will and by rights you should.

We cannot explain the **EQUITY SYSTEM** in this advertisement, it takes a book to do that. The book is called "Farmers Industrial Freedom." It has 64 pages. It gives a complete education on the Marketing Side of farming which is the more important half of successful agriculture. You have no book, big or little, that is worth as much from a money-making view point as this one. The price is 10 cents.

Send 10 CENTS **Send This COUPON** **OCT. 15**

Farmers Society of Equity,
Indianapolis, Ind.

Gentlemen: I produce crops to sell. I want complete particulars of the Equity System *of* Marketing and how to use it to get the best results as promised in UP-TO-DATE FARMING. Please, also, send the book, Farmers Industrial Freedom, for which I enclose 10 cents. (*Write very plainly.*)

My Name is .....

R. R..... P.O.....

Co ..... State.....

My shipping Station .....

Are you a member of the Farmers Society of Equity now? .....

You better not waste any time sending the coupon if you have not done so already and you will soon find it was the best "move" of your life.

FARMERS SOCIETY OF EQUITY, Dep't., The Equity System, Indianapolis, Ind.

WHEN TO SELL, WHERE TO SELL, HOW TO SELL.

(Concluded from page 5.)

sumes immense quantities of grain, live stock, fruit, vegetables, etc. every day.—THE EQUITY SYSTEM.

PEORIA—All kinds of farm produce is now salable in this city and northern central Illinois. Requests for our spot markets will have personal attention.—THE EQUITY SYSTEM.

INDIANA

INDIANAPOLIS—This market is strong on most apples, particularly Jonathans and Grimes Golden have sold at $5.00 to $5.50 a barrel. Dealers and large consumers are now arranging for potatoes to store. Will be pleased to quote prices. Might sell some broom corn to the factories here if any is offered. One of the best markets for hogs and cattle and grain of all kinds. —THE EQUITY SYSTEM.

IOWA

BURLINGTON—This market can use large quantities of corn, potatoes, grapes, apples, cabbage. When advising us what you have to sell, also name a price that you will take. If we can get more will do so and report it. This plan will facilitate trade.—THE EQUITY SYSTEM.

KENTUCKY

LOUISVILLE—All varieties of grapes are bringing very satisfactory prices. Quinces and peaches also. Splendid market now for barrel and box apples, fancy cauliflower, celery, head lettuce, first class cabbage and yellow onions. Also dried fruit, medicinal roots, etc. Also we solicit grain, hay poultry, live stock, etc., at market rates.—THE EQUITY SYSTEM.

CURE FOR INDIGESTION

Read What We Will Do for All Sufferers of Indigestion, Sick Headache and All Forms of Stomach Trouble.

Send 10c to cover cost of mailing, etc., and we will send WITHOUT FURTHER CHARGE a $1.00 ABSORPTION TREATMENT. Sponga—a plaster that will cure—works like magic on the solar plexus, which is the center of the sympathetic nerve system that controls the digestive organs. Write us NOW and we will save you days and weeks of misery! Address Ohio Remedy Co., Box 150, Sta. F, Toledo, Ohio.



ART & ETIQUETTE of COURTSHIP or Lovers Guide

Tells "How to Woo an Heiress, "How to Court a Bashful Girl "How a Lady Should Manage Her Beau to Make Him Propose Marriage, "How to Catch a Rich Bachelor, "Love Letters, "How to Win the Favor of Ladies, "Wedding Etiquette, etc. All subjects treated in a manner most helpful to Lovers. This Great Book sent Postpaid for only 10c., 3 for 25 cts., or 7 for 50 cents. Send coin or money order. Gem Co., Box 16 Horton, N.Y.

Consumption Can Be Cured

Even in its last stages progress of the malady can be checked, the tubercle bacilli destroyed, and a complete cure effected. We have incontrovertible evidence of our success. Many Los Angeles and Southern California people have been rescued from an apparently helpless stage of the dread disease.

YOUR LOVED ONES MAY BE SAVED FROM THEIR IMPENDING DOOM

Tuberclecide completely eliminates the Tuberculosis Germ from the human body.

No hypodermics. No nostrums.

Investigate our claims and begin treatment before it is too late.

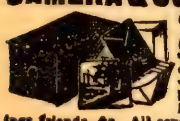
Treatment at home, surrounded by home comforts. Reports from all sections of the country show excellent progress in a large number of cases where the prognosis seemed "hopeless." We invite correspondence and will give full particulars by mail, or to all who will call at our offices.

TUBERCLECIDE COMPANY
Rooms 702 and 703 International Bank
Los Angeles, Cal.

BED WETTING

IMPERFECT CONTROL of urine during the night or day in young or old can be cured with our harmless Remedy. To prove its merits we will send A 50c PKGE. FREE to any address. C. H. ROWAN DRUG CO., Room 106, 53 RIVER ST., CHICAGO, ILL.

CAMERA & COMPLETE OUTFIT



25c Takes pictures 1½ x 1½. A little gem. Sure to please. Leatherette covered camera and complete outfit of plates, paper, chemicals, &c. with complete instructions so any boy or girl can take GOOD PICTURES of landscapes, buildings, friends, &c. All sent for only 25c (silver) or 3 for 60c.

ALDEN & CO., Sta. A, Indianapolis, Ind.

I Cured My Rupture

I Will Show You How To Cure Yours FREE!

I was helpless and bed-ridden for years from a double rupture. No truss could hold. Doctors said I would die if not operated on. I fooled them all and cured myself by a simple discovery. I will send the cure free by mail if you write for it. It cured me and has since cured thousands. It will cure you.

Fill out the coupon below and mail it to me today.

Free Rupture-Cure Coupon

CAPT. W. A. COLLINGS,
Box 606 Watertown, N. Y.

Dear Sir:—Please send me free of all cost your New Discovery for the Cure of Rupture.

Name.....

Address.....

.....

MASSACHUSETTS

BOSTON—This market will pay good prices for fancy apples, onions are bringing $1.50 per 100 lbs., sacked. Don't send potatoes as they are a drag. Also too much cabbage here. As usual, after a glut comes a dearth and good prices can be realized so you better write or wire for the state of the market.—THE EQUITY SYSTEM.

MICHIGAN

GRAND RAPIDS—Market well supplied with home grown vegetables and fruit,—THE EQUITY SYSTEM.

MINNESOTA

ST. PAUL—Our market needs a great many things but I mention specially, rutabagas, they ought to be state grown to save freight; carrots, parsnips and beets. We can pay today, Oct. 3, 50c a bushel for beets; 57c to 58c for parsnips and 45c for carrots. Cabbage is also wanted at $13 to $15 a ton. We must have a great many apples.—THE EQUITY SYSTEM.

MINNEAPOLIS—This is one of the great grain and live stock markets of the country. Tell your Equity people if they want to sell at the top of the market, and get prompt returns to ship all their stuff to THE EQUITY SYSTEM, H. P. Luse, representative. I will give it my personal attention just as they would if they came with the shipment. Also can get good prices for nearly all fruit and vegetables, feed grain, hay, broom corn, etc.—THE EQUITY SYSTEM.

LOUISIANA

NEW ORLEANS—The weather is cooler here now and there is an increased demand for potatoes, onions, cabbage, apples and other produce from the north. Producers should adways keep this market in mind and get our quotations. Consignments will be given our best care.

Tell cotton growers through your paper that we will advance $40 to $50 a bale on shipments of cotton to sell or store, or shipper can draw on this basis. If stored the rate of interest will be only 6 per cent.—THE EQUITY SYSTEM.

MISSOURI

ST. LOUIS—Our market requires from now on, regular and liberal shipments of northern and Eastern Holland and seed cabbage, also domestic kraut cabbage. Present prices are, for the former $15 to $16, and for the latter, $12 to $12.50 a ton. We have a large local and outside demand and want growers to communicate with us. We also have good demands for well-matured northern potatoes, Rurals and Burbanks preferred. We also need apples, grapes, cranberries, onions, rutabagas, sweet potatoes, etc., and can pay satisfactory prices. We will write or wire on any offerings.—THE EQUITY SYSTEM.

KANSAS CITY—The market price for potatoes here today (Oct. 3.) ranges from 80c to 85c a bushel. They are mostly Indiana and Ohio stock. We need Wisconsin, Minnesota and Michigan stock. We can also place some Colorado and Idaho potatoes out in Kansas points. Red Globe onions needed; also cabbage from the North. The demand is good for butter, eggs, chickens, etc. We want to hear from those having farm produce, grain, vegetables, fruit, or live stock to sell.—THE EQUITY SYSTEM.

NEW JERSEY

NEWARK—Our market is in fine shape for potatoes, cabbage, apples, live and dressed poultry, eggs, etc. We also solicit your consignments or inquiries on grain, live stock, etc. Perhaps some of the readers of our official paper have chestnut and hickory nuts to sell. If so let us know. It looks to us more and more as the weeks go by that this Equity System will pay producers and pay big. We must all work for it.—THE EQUITY SYSTEM.

NEW YORK

ALBANY—Demand for onions is very good. Our market (Oct. 6.) pays $2.50 for beans. Grapes urgently wanted. These are some of the urgent demands at time of this report. Others are constantly arising. Correspond.—THE EQUITY SYSTEM.

NEW YORK—Our market is in good shape for apples of all kinds, in boxes or barrels. Also potatoes if well matured. Any of our members that have fresh eggs should send them in as high prices can be obtained. Those having the supply should not fail to get in touch with us now.—THE EQUITY SYSTEM.

NORTH DAKOTA

FARGO—This market will pay a premium for timothy, clover and millet seed; also choice clean barley. Send samples and get our bid, delivered to your station.—THE EQUITY SYSTEM.

OHIO

TOLEDO—This market wants No. 1 and No. 2 barrelled Baldwins, Jonathans and Spies apples; also choice round white potatoes in 2½ bushel bags; also we need chestnuts.—THE EQUITY SYSTEM.

COLUMBUS—The demand for potatoes is excellent and there are signs of an advance in price. C. h. p. (choice hand picked). Pea beans are moving freely. Will be glad to advise the Equity people at all times, giving them additional facts. We will not try to mislead them but want to help them get the most for their stuff.—THE EQUITY SYSTEM.

CINCINNATI—Our market is particularly firm on good and No. 1 apples. Poultry and eggs and hay also. We need all farm produce; grain, live stock, fruit, vegetables, etc., and want to hear from our people and help them to market. — THE EQUITY SYSTEM.

PENNSYLVANIA

PHILADELPHIA—Market very firm on all lines of fruit and vegetables. Apples selling for $3 to $5 a barrel; pears $3 to $5.50. Potatoes, onions, etc., in good demand. Live chickens 15c to 17c; ducks 14c to 15c; geese 12c to 13c. Dressed poultry, of course, higher. Fresh eggs 29c to 30c. Grain, live stock, hay, broom corn, etc., all used in large quantities in this market. All shipments entrusted to our care will be sold on their merits and to best possible advantage.—THE EQUITY SYSTEM.

WILKES-BARRE—Our market needs apples, onions and poultry. Other produce plentiful now. There is always a big market here for grain and hay.—THE EQUITY SYSTEM.

RHODE ISLAND

PROVIDENCE—All fruits and vegetables will be needed here from this time forward. —THE EQUITY SYSTEM.

TEXAS

GALVESTON—Our market is in good shape for California, Colorado and Utah potatoes; also all varieties of apples from the northwest and onions from the north. Send cotton to this market to sell or store. —THE EQUITY SYSTEM.

HOUSTON—We need corn, oats, eating potatoes and seed potatoes, onions, cabbage and mixed cars of vegetables; all kinds of California and Michigan beans; car loads or less of exaporated apples. There is always a good demand for alfalfa hay. Please correspond on anything to offer. — THE EQUITY SYSTEM.

WISCONSIN

MILWAUKEE—The big demand at present is for well-packed and well-graded apples. There is going to be a big demand here for apples because Wisconsin has no home crop of apples this year. Onions bring good prices but potatoes are working lower in price. We place our services at the command of the Equity people and will cooperate with them to get the most money for their produce.—THE EQUITY SYSTEM.

VIRGINIA

RICHMOND—Send us hand-picked beans, apples, onions, potatoes and hay. On other produce, correspond with this market.—THE EQUITY SYSTEM.

THE FIELD

UP-TO-DATE FARMING will print in this department short letters from its subscribers on any subject of general interest and calculated to further the mission of the paper.

THE ONLY PRACTICAL PLAN.

I think the F. S. E. has the only practical plan to solve farmers problems and I send my membership herewith. I will do my best to organize a local union at my station. If all farmers could see this movement as it looks to me we would win in two months.—Andrew Burkhiser, Appanoose Co., Ia.

OUGHT TO HAVE EQUITY SYSTEM.

We ought to have the Equity System here. San Francisco is a great commercial center where the products of the farm are marketed from all over California. Most of our hay crop is marketed here, also grain, beef, pork, poultry, eggs, milk, butter, cheese, game, fruit, vegetables, etc. All of this farm produce is now handled by speculators and commission merchants. We farmers must depend on them and they have not been over scrupulous. I have tomatoes to sell and must send them to San Francisco, because there is no market for them here, and must take the price, good or poor. I must dispose of my hay in the same way, but we produced too much hay this year and the demand is poor. There are many farmers or ranchmen in this State who have their land mortgaged and if they fail to get enough for this crop to pay off the mortgage or meet the interest, they lose the land. Under the old way there was no certainty. So I am anxious to see The Equity System established in our city.—Jos. Rousselot, Santa Clara Co., Cal.

OUR POST CARD CLUB

DEAR EDITOR: I take great pleasure in acknowledging the post cards. To say I was surprised at their beauty does not express it. As soon as I showed them I got another subscriber and will soon send in another club of five. My neighbor, Mrs. Johnson, was so well pleased with her birthday cards that she is going to try to send a club too.—Mrs. U. F. Holbe, Kent Co., Mich.

DEAR EDITOR: I received my reward of post cards. They are very pretty, and I thank you very much for them. I will do all I can to get some more subscribers for you.—Mrs. Geo. K. Roe, Walworth Co., Wis.

DEAR EDITOR: I received the beautiful post cards as my reward and I thank you so much. I would be delighted to send you a club of subscribers if it were possible. But all the farmers about us like UP-TO-DATE FARMING so well that they are already taking it. My father thinks there is no other paper equal to UP-TO-DATE. When it comes we all want it first. If all the farmers would take your advice this old world would soon be in better shape.—Abram Meahl, Henderson Co., Ky.

DEAR EDITOR: I received my postals and like them. We like the paper too. My brother and I are getting a club; we got a subscriber at every home, but three. I believe we have all in reach of us now.—Fannie Simmons, Ritchie Co., W. Va.

$3.50 Recipe Cures Weak Kidneys, Free

Relieves Urinary and Kidney Troubles, Backache, Straining, Swelling, Etc.

STOPS PAIN IN THE BLADDER, KIDNEYS AND BACK.

Wouldn't it be nice within a week or so to begin to say goodbye forever to the scalding, dribbling, straining, or too frequent passage of urine; the forehead and the back-of-the-head aches; the stitches and pains in the back; the growing muscle weakness; spots before the eyes; yellow skin; sluggish bowels; swollen eyelids or ankles; leg cramps; unnatural short breath; sleeplessness and the despondency?

I have a recipe for these troubles that you can depend on, and if you want to make a quick recovery, you ought to write and get a copy of it. Many a doctor would charge you $3.50 just for writing this prescription, but I have it and will be glad to send it to you entirely free. Just drop me a line like this: Dr. A. E. Robinson, K1867 Luck Building, Detroit, Mich., and I will send it by return mail in a plain envelope. As you will see when you get it, this recipe contains only pure, harmless remedies, but it has great healing and pain-conquering power.

It will quickly show its power once you use it, so I think you had better see what it is without delay. I will send you a copy free—you can use it and cure yourself at home.

Advertisements in Up-to-Date Farming are safe to answer Have no fear in writing to advertisers—they are **Guaranteed** See Guarantee of Advertisers in this issue

For Blue Lipped Women

Native Red Clover Blossoms Will Give Them the Ruby Tinge.

Costs Nothing to Try.

Women and children should be ruby lipped, not pasty and blue. And yet how few women but what show in their lips the catarrhal stomach and the anemic blood from malassimilation of food. The blue lip from heart depression, resulting from the use of headache medicines, is the telltale of constipation and piles.



NATIVE RED CLOVER BLOSSOM.

Women can find quick relief from all their ailments, can have ruby lips, a beautiful complexion, and the actual feeling as well as looks of health in tne simple native red clover blossom.

The extract of these blossoms prepared when they are in full bloom is nature's greatest beauty specialist, gives a better and quicker effect than all the cosmetics ever thought of, and at one-tenth the cost.

It is put up in large collapsible tubes to keep it clean and moist and you can get Grain's Pure Red Clover Extract at the druggists at $1.00 for the large family size tube.

By sending the coupon below you can have a free trial of this wonderful nature's pure health builder.

Fill This Out and Mail It.

A Tube of Red Clover Free

Grains Red Clover Extract Company,
197 Pulsifer Bldg., Chicago, Illinois.

Gentlemen:—I desire to test your Pure Extract of Red Clover and request a Free Trial Tube by mail postpaid together with full information on the Wonders and Uses of Grains' Pure Red Clover Ertract.

Name .....

Street .....

City .....

State .....

Free trial offer

You can get the very best Stock Tonic, Regulator, Conditioner or Condition Powder at $1.00 for 100 Pounds

THERE IS NO REASON WHY YOU SHOULD PAY FROM 10c to 18c A POUND for MIDDLINGS, SHORTS, OIL MEAL, SAWDUST AND SIMILAR PRODUCTS—WE SHOW YOU A LARGER PROFIT AT A LESS EXPENSE.

A Little Horse Sense---Read Every Word

There is hardly a Farmer or Stock Raiser in the Country who is not convinced to his own satisfaction that all his Horses, Cattle, Sheep, Hogs, Goats and Poultry need a good Stock Tonic, Regulator, or Conditioner.

Practical Farmers, Agricultural Colleges, Farm Paper Editors, Veterinary Surgeons and Institute Lecturers, with hardly a dissenting voice, have strongly *advised* the use of a well-balanced Tonic.

The objections to so-called Stock Foods are that the price is invariably *too high* when the *percentage of medication* is taken into consideration, and that the "filler" used is not nourishing.

The manufacturers of *KineTeniK* themselves had been liberal users of the various Stock Foods, Stock Tonics, Conditioners, Regulators, etc., and while they were firmly convinced of the absolute necessity of using a well-balanced Tonic, Regulator or Conditioner, they were not satisfied to pay 14 to 18 cents a pound for middlings, bran, shorts, sawdust, charcoal, salt and similar products as used in most Stock Foods, Conditioners. etc.

Another objection to these products was the excessive freight it was necessary to pay on them. While salt, charcoal, middlings, etc., took a low rate when shipped separately, when added to drugs in the form of Stock Tonics, Regulators, Conditioners, etc., they took the high rate of drugs. You can readily see there is no sense in paying drug rates on middlings, sawdust, oil, meal, etc.

The result was that we decided to give the whole matter careful personal consideration from the *farmer's view-point.* We spent many months in studying the problem. We consulted the best authorities in every line of effort. Government Bulletins were carefully read. The advice of expert Chemists and Veterinary Surgeons was sought. Practical and Successful Farmers and Stock Raisers were called into consultation. In fact nothing was overlooked. After years of painstaking research and extensive experiments we summed up the research and experimentation by making the now famous *KineTeniK.*

We knew what perfect results were obtained on our own farms and in our immediate vicinity, but we wanted to know what the results would be where farmers in various parts of the country and under different conditions fed *KineTeniK* to their own stock. So we put up a few hundred packages and sold them in various parts of the country and patiently awaited results. It was some time before we commenced to hear from these farmers, but when they did begin to come they *came with a rush.* Letters came to us with statements made in no uncertain terms.

While every mail contains letters commending our stand in offering the farmers the simon pure product—*KineTeniK*—we have, up to the present time, *never received a single complaint.* Practically every farmer who has used *KineTeniK,* secured the desired results at about *one-tenth the actual money* he had previously spent.

THE WHOLE STORY IN A NUTSHELL

KineTeniK is the most carefully prepared Tonic, Regulator or Conditioner on the market with the *Filler Left Out.*

KineTeniK is a carefully compounded *prescription,* reflecting the *experience, experiments* and *active tests* of the most successful *Farmers, Stock Raisers, Veterinary Surgeons, and Chemists* of the World, including the results obtained by the Agricultural Experiment Stations.

It comes to you in *concentrated* form and all you have to do is to mix it with salt and middlings, bran, corn-meal, oil meal or any other ground feed you may be using, to get the *best Stock Tonic, Conditioner or Regulator on the market.*

KineTeniK

OUR GUARANTEE

We guarantee that KineTeniK, mixed with middlings, shorts, bran, corn-meal or other nourishing feed according to directions, will produce results equal to that of any Stock Tonic, Conditioner, Regulator, or Condition Powder, at about one-tenth the same cost.

We will refund purchase price without argument in every case, where the results are not equal to those secured from other preparations when so mixed. But—we don't ask you to prove this at your own expense. We have such unlimited faith in KineTeniK, that we are glad to send you a $1 package and allow you to satisfy yourself, in your own way and without interference by us.

ONLY ONE PACKAGE.

We only send one package in this manner and do not ask you to obligate yourself in any way. We simply send you a $1.00 Package of KineTeniK, you decide for yourself whether our claims are true and whether you pay us or not. No annoying dunning—no annoying requests to buy several times as much as you can use—no premiums—just a square deal and the best Stock Tonic made. That's what you have been looking for. Sit right down and fill out this coupon today and make us "show you."

Uncle Sam Says

The U. S. Dept. of Agriculture has frequently issued Bulletins (which you can secure by making application to the Dept. at Washington, D. C.) upon the question of farmers using Stock Tonics, Conditioners and Regulators. Their *invariable deduction* has been that all animals *need* these, but the objection to the *products now on the market,* is that the farmer *pays altogether too much* for the small amount of medicines included with the large quantity of filler absolutely lacking in food value. We have overcome this objection in *KineTenik* by giving the farmer the *real medication* with the *"filler"* left out.

The State Experiment Station Says:

There is hardly a State Experiment Station that has not made exhaustive experiments with the various Stock Tonics, Conditioners and Regulators now sold. They are all practically agreed upon the point that Animals *need* such Tonics, Regulators and Conditioners, but that the products now on the market contain so *much filler* and so *little medication* that they are unprofitable for the farmers to use.

Read What Your Neighbors Say:

May 9, 1910.
KarBraK Chemical Co., Wellsboro, Pa.
Gentlemen:—"My mare, about 15 years old but of noble constitution, had declined for about a year and was nearly past the getting up stage and very stiff from apparent rheumatism. We have very satisfactory evidence that KineTeniK has vital medicinal properties and has now corrected much of the animal's disability. The concentrated form is evidently the proper way to put it on the market and I can surely recommend it as I myself am a Physio-Medical practitioner in my own family and believe the same remedies will correct diseased conditions in the horse."
—*F. L. Garber, Belleville, Ohio.*

June 10, 1910.
KarBraK Chemical Co.. Wellsboro. Pa.
Gentlemen:—"KineTeniK is the best powder I ever used. It increases the flow of milk and is an excellent regulator."—*John A. Kuntze, Lynnport, Pa.*

May 25, 1910.
KarBraK Chemical Co., Wellsboro, Pa.
Gentlemen:—"I had twelve fresh cows and I fed KineTeniK according to directions. In about five days began to see a better flow of milk and they increased until a gain of 76 lbs. These cows were only fed 6 lbs. of grain a day. The last three years they were fed from 10 to 12 lbs. of grain a day. They did better with 6 lbs. of KineTeniK than with 12 lbs. without it."
—*J. C. Perry, Boonville, N. Y.*

July 11, 1910.
KarBraK Chemical Co., Wellsboro, Pa.
Gentlemen:—"KineTenik is the best Tonic I have fed to cows and I want some more right away."—*G. M. Fails, Conneautville, Pa.*

June 5, 1910
KarBraK Chemical Co., Wellsboro, Pa.
Gentlemen:—"I have sold and fed different kinds and makes of stock foods but I never have fed any that think as much of as I do of your KineTeniK."—*M. Toadvin, Mardela Springs, Md.*

DON'T SEND A CENT

We *know* the farmers of this country. We know they will treat us right when they learn just what we are trying to do for them. It is this knowledge and supreme confidence in the farmers that leads us to make this stupendous offer to readers of this paper, and the Publishers will guarantee to you the faithful carrying out of our promise.



Just fill out this coupon and mail it to us today and we will send you by *express, a $1 package of KineTeniK,* enough to make from 25 to 100 lbs of Stock Tonic, Conditioner, Condition Powder, or Regulator, according to the strength you desire to feed it.

Give it a 30 day trial. If you are then *entirely satisfied* that it is *all we claim* for it and *worth the money,* send us $1. If you are *not* entirely satisfied, you need not pay us one cent—either now or at any time in the future.

Now, isn't that a fair, square, flat-footed proposition on which *you* have everything to gain and nothing to lose?

Fill Out and Mail Coupon Now Before You Forget It.

KarBraK Chemical Co., H. F. Bush, Gen'l Mgr.,
331 Cortland Street, Wellsboro, Pa.

Gentlemen:—You may send me a $1.00 Package of **KineTeniK** (sufficient to make from 25 to 100 lbs of Stock Tonic, Conditioner or Regulator, according to strength desired.) I will give it a fair trial for 30 days, and if I am satisfied it is all you claim for it, I will then send you $1.00. If I am not entirely satisfied I am not to pay you one cent either now or at any time in the future—this acceptance is sent you with this **distinct** understanding.

Name .....

R. F. D., Box or Street No. .....

P. O. .....

County ..... **State** .....

KarBraK Chemical Co. H. F. BUSH, Gen'l Mgr. 331 Cortland Street Wellsboro, Pa.

Up-To-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
CONTROLLED MARKETING

Volume XIII | INDIANAPOLIS, INDIANA, NOVEMBER 1, 1910 | Number 21

It Is All in the Marketing

MR. B. F. YOAKUM of the Frisco System, like that other broad minded railroad man, **Mr. J. J. Hill**, realizes that the prosperity of the transportation companies depends upon the prosperity of the farmers, and that if the farmers prosper they must have remunerative prices for their products, and to get remunerative prices they must market where there is a demand for their goods.

(See Editorial, Page 3)

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD
It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.
400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

The Truth About the Cut In Automobile Prices

For two years there has been no material advancement in Automobiles.

Models for 1911 are practically the same as those of 1910 and 1909. When manufacturers learned that Howard E. Coffin had produced his Masterpiece in the Hudson "33," and saw that such a car would have cost $3000 in 1909 they cut their prices to meet its competition. The increased value this car gives is greater than is offered by a reduction of 25 per cent or 30 per cent on any Automobile.

Labor costs more, raw material is higher. It was not a reduction in manufacturing cost that caused the cut. It was fear of the only new car for 1911, the Hudson "33."

The air is filled with rumors of cheaper automobiles.

Everywhere you hear that this and that car can now be bought at so much less than list. Every day we read that this and that well-known automobile will in the future be sold at 25 to 30 per cent less than yesterday.

The public listens with interested amusement to the excited explanations of manufacturers of why they can now sell for less, just as it hears the breathless excuse of the scared boy who runs by a graveyard on a dark night.

We are pardoned for saying, "I told you so," for in our page newspaper advertisements which were published in all parts of America, early in July, we predicted just this situation.

We said then that it was to be the survival of the fittest. We predicted then that there would be changes.

We were proclaimed mad prophets. Some said we were injuring the industry.

This was before the prices were cut. Three months have proven our prophecy correct.

You now see the result.

What Stirred Up This Hornets' Nest?

The public has not yet realized the cause for this general and not to be wondered at stampede.

Manufacturers know. Most dealers are in the secret. Now it is your turn.

Automobile production has increased so rapidly, the demand has been so continuously large, that most makers have stopped advancement.

Practically without exception, the industry has eased up on development. Production was the cry. "More cars. Last year's models are all right. No changes are needed."

It has been that way for two years.

Early in July announcements for 1911 were made. Old models were to be continued. No changes, "just a few refinements." Same cars—same prices.

Everyone felt secure.

All manufacturers seemed to be in the same boat.

Everything seemed safe.

All manufacturers apparently were continuing their 1908-1909-1910 models into 1911, without any more than a change in the paint.

But We Touched Off the Bomb.

There was a startled, frightened gasp. Some first cut prices on the sly. Others did it openly, but without any bottom to their reduction.

Every imaginable excuse was made.

Some advertised that raw material prices are lower.

Others said that labor was cheaper—as a matter of fact skilled labor is higher.

It is no wonder that the public has looked upon this wild scramble to get business with a belief that ultimately all cars would come down in price. People have held off their buying because they have felt that all cars will be cheaper. Others advertised that prices were lower because—— ———, but what's the use saying it all over again. Excuses! Explanations! You know them all.

We think it has gone far enough. Prices for some manufacturers in their desperate attempt to keep their plants busy, are actually below what they can afford to build good cars for. More injury will be done, we believe, in going on in this wild stampede.

The public should be taken into the confidence of the industry. That is why we are publishing this announcement at the cost of thousands of dollars.

Here Is What Really Happened.

For two years nothing new was produced. Your 1910 car was not much different from the 1909 or the 1908 model.

In July, it became known that Howard E. Coffin was building a new car.

The trade had not yet seen it. But the fact that Howard E. Coffin was doing it turned all eyes toward the Hudson Factory in Detroit.

In August little more was known. Dealers were coming to Detroit on every train. They placed orders for more than 10,000 cars without having seen a single model.

It was Howard E. Coffin's latest—that was all they cared to know.

Concern and wonder ripened into fear on the part of manufacturers, however, the moment the car was out.

Such a value was never before known. It would have been impossible at any price five years ago. Two years ago it could not have been built for less than $3000.

Only a few experts had seen the car. All wanted to know how such an automobile could be sold at such a price, and they answered the question themselves in the next breath by saying "Coffin." "He can do it." "No one else can."

What the Announcement Did.

As soon as details of the HUDSON "33" leaked out, prices began to tumble. When we issued an advance catalog with descriptions, manufacturers openly began to lower their prices. When we advertised two weeks ago that the HUDSON "33" was Howard E. Coffin's masterpiece, other prices dropped. The commotion started. It was like the attempt of a merchant trying to sell straw hats on the first day of September.

Prices were cut. You can buy last year's cars cheaper. But do you want them?

The Difference That Caused the Cut

The HUDSON "33" is a different car. No similar model with a little better value could have caused the panic that the HUDSON "33" has created. The car is so different from all others at any price, that cutting in prices was the only defense open.

Here is a car at $1,250 that has fewer parts than any car selling under $2,000. It is a "dust proof" automobile with enclosed valves.

It is simple and accessible. The entire chassis is free from complicated wiring, rods and other never-to-be-understood mechanism.

The motor is absolutely quiet. You can sit in the driver's seat and creep along at 4 miles an hour or jump to 50 and detect hardly a quiver or a sound.

Howard E. Coffin put into this car ideas that he has worked on for four years. He has combined all the things he has learned in the four previous successful automobiles he has produced. He has given a stronger frame than you will find on any car of its weight. By eliminating parts that have proved unnecessary, he has made a stronger car—a better car—and reduced the price.

You will find unique features in this car that other manufacturers will adopt next year, and the year after, just as they last year adopted methods that he brought out two years ago—in his famous car of that season.

He uses no fan in the HUDSON "33" except that contained in the fly wheel.

Yet the cooling is so perfect that the worst mountain roads of Pennsylvania could not boil the water in the radiator.

Every oiling part, every portion of the car, is where you can get at it with no inconvenience. Any man can drive the HUDSON "33" without having to be a mechanic. You can get your Sunday ride without a half day's tedious work of preparation on the car.

If we could illustrate to you in this advertisement all the details of this car, you would understand why manufacturers have so quickly reduced their prices. We cannot give you all the details here. It takes a book to tell them. You must see the car. Manufacturers got the information before we got our car in the hands of dealers.

We are shipping cars now. When the new fall stocks come on in all lines of merchandise, the old, unseasonable articles are reduced in price.

That has been the havoc created by the HUDSON "33."

We don't want you to buy a car from this advertisement. Don't decide upon the Hudson from what we tell you here. But don't decide on any car until you have seen the cause for this readjustment of automobile prices. These cars that have been cut in price were worth in most cases all that was asked for them. They were the best to be had. But a new step has been made.

No matter what car favorably impresses you, you should see the HUDSON "33" before you select any. We will not be able to supply all the demand. Everyone who wants a HUDSON "33" will not be able to get it. Investigate now and decide early.

Don't understand from this statement that the Hudson has purposely undermined the situation. We have merely produced Howard E. Coffin's greatest masterpiece. He attempted nothing sensational. He has produced no new untried engineering practice. He has produced a car which in the simple way he eliminated extra parts—reduced weight, added to efficiency and given a great car, has created a sensation that is sounding in the factories and designing rooms of every automobile company on the continent.

The HUDSON "33" is being produced in one of the most modern manufacturing plants in America. Mr. Coffin's great skill as an engineer, his remarkable ingenuity, his ability to create and to adapt is backed by a trained organization that has been together in the automobile industry since its earliest days.

Within ten days to two weeks, the HUDSON "33" will be in the hands of dealers everywhere. Send to us today for a catalog. Go to Hudson dealers and talk to them about this car. If they haven't the car on hand, they will be able to show you photographs. Within a few weeks, deliveries can be made rapidly.

Whether you want a car now or next spring, if you are in the market for an automobile at any time within six months, don't fail to see this automobile that has made the cut in prices.

Let us repeat that such an automobile could not have been built for $3000 three years ago. Today we give it to you for $1250, because the genius of a great engineer is back of it. Because a well trained organization is making it. You get the same quality of materials, the same detailed attention to construction and inspection that you get in cars selling at three times its cost. In finish, in every respect, this car is in a class never before associated with the $1250 price. Can you afford, in the face of an advancement in engineering that has stampeded an industry, not to see this new car?

HUDSON MOTOR CAR CO.

3004 Jefferson Avenue, DETROIT, MICHIGAN

The Hudson is Licensed Under Selden Patent.

Copy 23

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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It Is All In The Marketing

A Railroad Man Reviews the Situation

MR. B. F. Yoakum of the Frisco system, like that other broad minded railroad magnate, Mr. J. J. Hill, realizes that the prosperity of the transportation companies depends upon the prosperity of the farmers, and that if the farmers prosper they must have remunerative prices for their products, and to get remunerative prices they must market where there is a demand for their goods.

In a recent article in the Saturday Evening Post, Mr. Yoakum reminded our all too partisian rulers and lawmakers, of their one-sided rule, their pandering to the special interests and their gross neglect of the great interest upon which all other interests depend for prosperity. He says in the very beginning of his article:

> Farmers, and not military power must restore our economic balance. The politicians pour out the government's money to build fighting machines and starve the agriculturalists. The appropriations of this last Congress amount to more than one billion dollars. Thirty dollars of this went for military expenses to every dollar spent for agriculture.

Mr. Yoakum then takes up the great need of the hour if we expect a general and permanent prosperity. Like the broad minded man that he is, he sees two sides to the question, the producing side and the business side. So many see only the producing side, and seem to believe if the farmers can be induced to flood the country with products it will bring prosperity whether the farmers realize any profits or not. Mr. Yoakum knows that the farmer must be paid fairly for his stuff or the prosperity can be no more than a shell. He says:

> It is necessary that we aid the farmer in the adoption of better agricultural methods in order to increase production, and that he be helped to a better business system, so as to increase his profits and at the same time assist in reducing the cost of living to the consumers. The promises of politicians in their agitation for radical legislation will not assist in working out this important American problem.

To illustrate the importance to agriculture and the world of the marketing side of farming Mr. Yoakum tells of onion production in Texas:

> The farmers of Southern Texas discovered a few years ago that their soil was well adapted for growing Bermuda onions. The onion industry was soon found to be unprofitable on account of poor marketing facilities. They employed a good man and put the selling in his hands, with the result that a losing business was made a profitable one. All the laws which Texas might make could not help these onion farmers. It required the employment of business methods. What applies to the onion crop of Texas applies to every other product of the soil in the United States.

How true that is readers of UP-TO-DATE FARMING well know. We have been teaching that doctrine for years and urging farmers to take more interest in marketing. And Mr. Yoakum is hopeful. He says:

> The farmers of the country will eventually work under a strictly business organization for their own protection and to the advantage of the consumers of food. At the growing end the farmers will have, through cooperation with the railroads, shipping agencies. At the consuming end they will have marketing agencies. Under this method the men who produce, the men who transport and who consume will come into close contact. To the industry of farming will be added the business of marketing.

That is what we have been teaching and the system we have established. We have employed the very best talent to urge better farming, and in every possible way we have striven to make plain a better system of marketing and to induce farmers to adopt it. Mr. Yoakum continues along the same lines, just as we have done in every issue of UP-TO-DATE FARMING, and we are glad to quote from so distinguished, practical and successful a business man:

> It is not the amount of potatoes, cabbage, onions, grain, dairy products or other foodstuffs a community of farmers produces that fattens their bank accounts. It is the price for which they can sell them and the waste they can cut out between the farm and the table. It is not the prices that the farmers are getting that make living so expensive. It is the expense of getting them to the railroads and the profits of dealers, wholesalers and retailers.

We have also contended that the high prices consumers have been required to pay are no index to what the farmers have received for the stuff. The marketing system now in vogue enables greedy hands of nonproducers to pile on profits until the price becomes enormous before the stuff reaches the consumers. Mr. Yoakum has done the world a favor by compiling the following table showing what the farmers received and what the consumers paid for some of the common articles of everyday use; in fact the necessaries of life:

	Received By Farmers.	Paid by Consumers.
Eggs	$ 17,238,000	$ 28,730,000
Coffee	2,402,000	12,009,000
Rice	1,354,000	6,191,000
Cabbage	1,825,000	9,125,000
Onions	821,000	8,212,000
Milk	22,912,000	48,880,000
Potatoes	8,437,000	60,000,000
Total	$ 54,989,000	$173,147,000

We copy the above table because of the responsibility of the source from which it comes, and because it more than verifies our contention that in spite of the high prices that prevail the farmer is not responsible for the high prices the consumer pays for his products. For eggs the consumers pay more than one and a half times what the producer receives; for coffee the users pay nearly six times what the growers get. For rice they pay nearly five times as much. For cabbage they pay more than five times as much. For onions the users pay more than ten times as much as the growers receive; that is for every dollar the growers receive for onions the users pay ten dollars. for milk the users pay nearly two and a half dollars for one, and yet milk is used near the point of production. For potatoes the user pays seven dollars and a half for every dollar received by the grower.

The freight on the above articles, with meat and poultry added, Mr. Yoakum tells us, was approximately $25,045,000, and after paying the freight, the consumers paid $164,813,000 more than the farmers that produced them received. Mr. Yoakum very properly concludes from these figures that the railroads are not responsible for the wide margin that exists between the producer and consumer. They would just as gladly and as cheaply take the stuff from the home shipping point to the market that needed it, and thus cut out unnecessary delays and the extortion of too many dealers.

There must be dealers, and they must have profits. We do not scare at so-called middlemen. But we would so market that **not so many** will be needed. Cut out the surplus, do just as much and even more business, but ship more direct on better information, and let the products go to the users at lower prices. Thus may the use of them be increased, and room made for greater production. It is the EQUITY SYSTEM.

Charging It To Providence

"THE farmer is in partnership with God," some one very beautifully put it in speaking of the direct relation of Nature to agriculture. It is put in quite a different form when speculation speaks of it. From a recent Chicago market report we quote as follows:

> Assurances that the corn crop everywhere was practically safe from dange of damage resulted today in the lowest prices of the season for that grain, and tumbled down quotations for wheat and oats.

Since God is good to the farmer and matures his crops without damage, speculation must take a hand and see to it that the farmer shall not get the benefit—prices must be put down to the lowest of the season, and the prices of other crops must be tumbled down also.

Suppose the corn crop had been ruined by an untimely frost or storm. We suppose prices would have remained up them. The farmers would have had little to sell, but they would have got more for it. Suppose the farmers were to refuse to grow any but a small crop. Would not the effect be the same as that of an untimely frost? But the farmers grow a big crop that matures in the regular course of the seasons, and the prices immediately drops to the lowest of the season.

Cannot our friends who spend their whole lives and opportunities urging farmers to produce more and more with no regard for price or marketing, learn a lesson from this little incident? The farmers certainly ought to learn something from it. A bushel of corn that is not frost bitten is worth more than one that is, yet when the crop matures without frost the price must go down. That is not Equity. On with the Equity System of Marketing.

TOBACCO SITUATION IN KENTUCKY

WE have watched with untiring interest the various movements of the tobacco growers of Kentucky for the control of their market and sales, and sympathies have all the time been with the organized growers without reference to how organized. We have not said much, because, not being personally on the ground, and possibly not thoroughly understanding the situation in all its details, we feared we might say something that would hinder the successful working out of the efforts.

We now note with regret that in certain sales recently made prices have been considerably reduced. This cannot be because of an oversupplied demand, for tobacco is not excessively abundant, and, in spite of what may be claimed by the trust, we are sure their stock on hand is meager. We do not attribute it to any lack of earnestness on the part of the officers and managers who represent the growers. It may be that they have done the very best they could with the opposition they were forced to encounter.

Unfortunately, and strange, too, the most difficult to overcome of this opposition was from certain growers themselves. The sentiment in favor of controlled marketing was not strong enough among the growers. It requires a great deal of education to get this doctrine fully impressed upon the masses; but once the masses become imbued with it success is certain.

We remember distinctly some years ago the wheat growers were dumping their wheat on a market that paid them no more than 60 or 65 cents a bushel. We were sure that price carried with it no profits to the farmers. A careful investigation revealed the fact that, at that time, nothing less than a dollar a bushel for wheat would pay the farmers wages at all commensurate with the wages received by other classes of labor. We said so in UP-TO-DATE FARMING and gave the facts. We persistingly reiterated the demand for one dollar a bushel for wheat. We pressed it upon the farmers both organized and unorganized. It was not long until the farmers themselves took it up, and the newspapers began to talk of dollar wheat. Before the then approaching harvest was completed "Dollar wheat" became the slogan, and the growers were impressed with the fact that they ought to have a dollar a bushel for their wheat. It was in vain that the buyers offered the usual lower figures. The farmers demanded a dollar, and they got it, and have had practically a dollar a bushel ever since—sometimes a few cents below, sometimes above.

Organization helped in this accomplishment, but the sentiment created among the farmers did more. Sentiment left no room for dumpers, and so-called "independents" found that true independence was in standing by their friends and controlling their own business.

We have often though of this in connection with the tobacco situation in Kentucky and elsewhere. Tobacco growers are just as much entitled to equitable remuneration for their toil as any other people, and if the proper sentiment was created among them they could not fail to get it. We trust the present movements there will succeed, but if they do not it will be for lack of the proper sentiment, the awakening to their rights and HOW TO ATTAIN THEM, among the masses of the growers.

We appeal to everybody to continue the work of education. UP-TO-DATE FARMING will do its part. We know the cause of the growers is just, but public sentiment, the power of the masses wisely directed, will prevail over anything. Create the sentiment, with equity for both buyer and seller and in this there can be no mistake if UP-TO-DATE FARMING's lead is followed.

Up-To-Date

All manufacture is merely changing one thing into another. All commerce is merely moving things from one place to another. All finance is merely handling money from one man to another. But what we eat is actually consumed and subtracted from the sum of the world's wealth. Which substraction can be made good only by agriculture. And, by a parity of reasoning, all taxation must ultimately fall on agriculture. Hence, the protection of agriculture is the aim—the great aim—of all intelligent statesmanship. And agriculture can never flourish except under laws based upon justice and wisdom.—B. H. Williams.

A Significant Heading

"HOG bids drop again; combination names prices." This was the heading of a market report in a leading city paper a few days ago. It is not necessary to discuss the question of price, whether it was high, low, or equitable to show the significance of the heading. Who determines what the price shall be? That is the important question for both producers and consumers. Farmers are taught that prices are fixed by some law, somewhere, in some mysterious way that is irrevocable, and must, therefore, be accepted as coming from an authority not to be questioned any more than the rain and sunshine are. Consumers are taught that prices are fixed back on the farm somewhere, and must be paid because the farmers refuse to grow the articles for less. But in this report of sales and prices, we are emphatically told "combination makes prices." What combination? A combination of buyers, for we are told in the same heading: "Packers offer 20 cents under Saturday for heavies." Hence it is a combination of packers.

But whatever the "combination," if it makes prices, it holds in its hands the fate of both producers and consumers. If it makes the prices that shall be paid for the articles when originally purchased, it may determine whether the farmer may have for his labor one dollar per day, fifty cents per day, or nothing at all; and if it makes the prices the articles sell for it may compel the user to pay the utmost his income enables him to pay, and thus leave him with nothing but a bare living.

In fact, that is the system that has prevailed in this country for not a few years; and for several years it has been going nearer and nearer to the extremes. As before said, it is not a question as to whether prices paid farmers are reasonable or unreasonable. It is a question of the power exercised by a "combination." Such combinations have their origin in greed, and greed is an element of constant growth. As the power becomes more firmly established, the greed will more emphatically assert itself. This is clearly manifested in the constantly widening margin between the price paid the farmers and the price exacted from the consumers. These margins are nothing more than the toll charged between the original purchase and the final sale, and since it is governed by the combination that makes the prices it goes to enrich that combination.

It is easy to see to what this may lead; and it is already so firmly intrenched that its overthrow or control is a problem. And not much of a problem either. It only involves the establishment of the Equity System of Marketing. Direct shipments settles the question by taking the products away from the central combinations and putting them where the demand awaits them.

They Begin to See It

ONE of the strongest pleas for the Equity System of Marketing is found in an article written by a farmer and published in one of the leading magazines. The writer had not always been a farmer, but had gone from the city to the farm, and consequently knew city customs and methods, and was more observant of the way things were done on the farm, and of results.

The first thing he noted was the everlasting struggle for bread; the producers of all bread having a struggle to get enough for themselves and families to eat. He calls this struggle a tragedy, but more of a tragedy, he says, because the handlers and carriers of the bread and the material of which it is made, obtain more of the money, equivalent than does the original producer of it all.

He tells of buying a luncheon in a New York restaurant, and declares if the articles composing the meals eaten by his family at home were paid for at the rate, the meals would cost from $10 to $30 a day.

The writer attributes the difference in price to the multiplied toll-gates through which the articles must pass to get from the producer to the consumer. This is the old system of marketing, and it is seldom that the producer gets more than ten cents of the dollar paid by the consumer. When we reflect, he says, that all the money for which the city people are tearing out their hearts came originally from the land, and that for every hundred dollars' worth of food sold, $65 or more is held by persons between, who do not live on farms, we need not wonder that money flows into town and city like water running down our hills, or that farm boys and girls run to the cities after the money.

If, argues the writer, so much as 15 per cent more of the consumer's dollar could be given to the farmer, the end of five years would show the most wonderful era of prosperity ever known in this country. With this 15 per cent on the dollar passing from the go-between expense account back to the farmer there would at once be opened the greatest home market ever known. It might not manifest itself so much in the buying of automobiles, though they would come in for their share, but in the thousands buying stoves, carriages, clothing, dresses, paint or pianos.

The writer believes that results as they are have grown out of the feeble efforts of individuals to work against organizations. Hence he predicts that one of these days the farmers will get together, and pit organized forces against organized forces. This seems to the writer the only solution to the problem if the farmer is to beat the rest of the word on equal terms; and points directly to a change in the marketing system. The waste in the present roundabout and return shipments to and from glutted markets is as incalculable as it is inexcusable. The Equity System first knows where to ship, and then it ships there direct. It would not worry about middlemen. It would use them where needed and allow them profits to pay them for their service, but the main benefits would be realized by the shipper and the consumer, which would guarantee lower prices to the latter, while farmers would get better pay because a larger portion of the consumer's dollar would go to them.

Methods That Reduce Consumption

THE Fruit Grower tells of a shipper of apples who visited the city to which he had shipped. He found a retail merchant that was selling the very apples that came from his country. The apples had been carefully selected and packed in boxes containing an average of 96 apples to the box. For these apples the retailer had paid $2.00 per box. He took the apples from the boxes and packed them in fancy baskets that cast him less than ten cents each, and held a dozen apples each. He then tied a ribbon to the baskets, and sold them at $1.00 each. As the apples in each box filled eight baskets, the merchant was selling for $8 what had cost him $2.00, and making a profit of at least $5.00 on each $2.00 investment.

But what the producer is most interested in is, that this manner of selling prevents the consumption or apples and thus reduces the demand. Not many can use apples at a dollar a dozen, whereas, if they had been sold at 50 cents a basket, and more than doubled the money invested by the merchant, money that could thus be doubled every two or three days, twice as many apples would have been taken, and the grower would have been called upon for twice as many. Had they been sold at a reasonable profit, so that those of moderate means could have used them, the demand would have been multiplied to an unknown extent. Speak- of this, the Fruit Grawer says:

> It is idle to expect the retailer to change his ways; he is making a good thing out of the apple deal. But at the same time the producers must eventually make better arrangements for selling their crops. In too many cases fruits are almost prohibitive in price by the time they are offered to the consumer, and some of the middlemen must be eliminated.

When equity in shipping and selling is established, shipments going from the orchards direct to the points of consumption, these desirable changes will be effected, and all who wish apples may have them at equitable prices. And it applies with equal force to other things. It will then be consistent to urge increased production, for the increased use will call for more products.

"I Will In a Minute"

WE used to know Bill Blubbery. In fact, we knew him for several years. "I will in a few minutes" was a great saying with Bill. When he was a small boy, (we do not believe he ever was a very small boy; he was a great, blubbering, hulk of a fellow, always big for his size), when his parents told him to do anything, it was always, "I will in a minute." When in school it was the same way. When he married a poor, unfortunate girl and lived in a shack, it was the same.

The government's trust busting campaign reminds us of Bill Blubbery. We are now informed that the suits against Standard Oil and the Tobacco Trust have been postponed again. The reason given this time is that there are some vacancies in the Supreme Court. Who fills such vacancies anyhow? Is the Supreme Court so "vacant" that it is incapacitated for business—out of commission, so to speak? Or is it still doing some business? Certainly the trusts are, at the same old stand, and in the same old way. All they ask is to be let alone. A Bill Blubbery policy suits them exactly. So long as the government "will in a minute," the trusts will continue to "gather 'em in," and the people will still wonder "How long, oh Lord, how long!"

RAILROADS CONTROLLING GRAIN SHIPMENTS

THIS is entirely an age of discovery, mostly the discovery of conspiracies. Everybody seems to be conspiring to do something mean, and everybody else is finding it out. This time it is the Chicago Board of Trade that has made the discovery, and certain railroads are the conspirators.

The Chicago Board of Trade has filed a petition with the Interstate Commerce Commission alleging that certain railroads operating east of Chicago, and others in Michigan, have conspired to deprive western grain shippers of the advantage of cheap water transportation and to drive the grain transportation business from the great lakes to the railroads where higher freights must be paid.

The petition alleges that; "by reason of a conspiracy on the part of the defendant carriers, substantially all means of all-rail through transportation from Chicago to New York and other Atlantic seaboard points, and also all parallel and competing through lines of transportation via the great lakes from Chicago and other lake points to Buffalo and from Buffalo to New York and other Atlantic seaboard points, are owned and controlled by the defendant carriers."

Well, Mr. Grain Grower and Shipper, what are you going to do about it? These transportation companies are organized; are you? The complainant this time, the Chicago Board of Trade, is a pretty big fellow, but you grain growers and shippers are the fellows most interested. The higher the freights your products must pay, the lower the prices you can get for them. Of all these things that have been brought before the courts and tribunals, how many have been decided in favor of the unorganized masses. Will you get organized?

DANGER IN CENTRALIZATION.

EARLY in the present year it was authoritatively announced that the Morgan control covers institutions and enterprises having assets and a capitalization of twelve billion dollars, which is equal to one-ninth of the entire wealth of the United States. The gross earnings of railroads controlled or partly controlled by the Morgan interests represent one-third the gross earnings of all the railroads in the United States. The banking power of the banks and trust companies controlled wholly or in part by the Morgan influence is 10.7 per cent of all the banks and trust companies of the United States.

This is unquestionably a dangerous concentration of wealth, and we speak of it in this connection to set the masses of the people to thinking. There is no question but that parties commanding that much of the wealth and industrial institutions of the country could do whatever they please with the country's business interests. What could the millions of American farmers, each working for and by himself, do against such a power as that were it directed in lines opposed to their welfare? They would be as helpless in such hands as new born babies.

If ever there were needs for farm organization, those needs are emphasized by every sign of the times today. Centralization manifests itself everywhere but on the farms, and there individualism is still the rule. We entreat farmers to organize in self defense.

THE GOVERNMENT AND MARKETING

IN speaking of the marketing of potatoes, and referring to methods and systems like those we advocate, the department of agriculture, in Bulletin 407, says, "being in constant telegraphic communication with the various markets, they are thus informed regarding the most satisfactory destination for every consignment."

The great advantage of such a system, says the Bulletin, is that it enables the brokers in a small city or town to buy direct from the producer instead of through a city broker. It enables the consumer to obtain fresh products, as they are shipped direct from the point of production to the place of consumption. The plan carries other benefits, continues the Bulletin, which are of great moment to the producer. He is enabled to sell (or ship for himself) in car load lots at shipping point, thus saving to himself much cost of transportation. Besides, it secures a much wider distribution of the crop, with the result that overstocked markets are much less likely than under the consignment system. This plan enables the producer to be his own salesman. It transfers the distributing point from the city to the field, where it should be. It brings the market to the field instead of the product to the market.

We are glad the national officials are getting an insight into this matter, and that they are discussing it in official bulletins.

There is no "Just as Good" System of marketing farm crops. The EQUITY SYSTEM is the genuine, only practical one. There will be imitations but none other can deliver to farmers what they need. Are you using it?

North Dakota Cold Storage

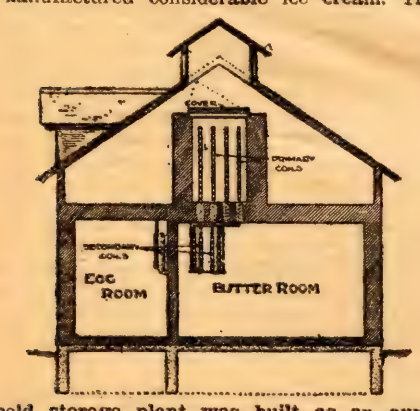
The most important of American farmers' problems is the storage of crops so they may be controlled until the legitimate demand wants them. At present they are stored by food trusts, or combines or speculators and producers and consumers see the results in too low prices oftentimes to the former and too high to the latter.

We contend that the present system, which it has been estimated costs 68 per cent. of the prices consumers pay, is dead wrong. We claim that the people who should store and control the temporary surplusses of farm produce are the producers themselves, and that they should control it to compel profitable, not high prices for the producers and equitable, not exhorbitant prices to the consumers, we believe farmers will do this. It at least appears to be reasonable that if the speculaters who have been making millions of dollars each year off of handling, or controlling farm produce can be eliminated a great saving will result. Since 68 per cent of what consumers pay now is the expense of operating the marketing system for farm crops, including profits to the handlers, if one-half of this can be saved, the cost of food to the consumers will be reduced one-third.



But the policy of this paper is to not only point out what should be done, but to show how it can be done. Below we give an account of a North Dakota cold storage plant from the valuable little publication, "Cold." If cold storage houses, warehouses and elevators were established all over the country, the property of the Farmers, or even if they would lease and use the present ones, and store their own stuff to maintain steady and fair prices the greatest present day problem would quickly be solved.

IN the great hard wheat country—the fertile valley of the Red River of the North—is located the cold storage plant of Emil Karlen. At the time this plant was built Mr. Karlen was engaged in the creamery business and also manufactured considerable ice cream. The cold storage plant was built as an auxiliary in connection with this business and contained but two rooms; one for butter and one for eggs.



The butter room in this case was made larger than the egg room for the reason that eggs were a new product to Mr. Karlen and he was uncertain as to the quantity to be stored. As the business developed it was found that the proportion of these two rooms should have been exactly reversed and this is generally the case in a small plant of this kind. It is more often necessary to have larger space for eggs and smaller space for butter. Of course special conditions make its possible that only a small room would be needed for eggs.

By reference to the section it will be noted that there is no basement or underground story for this building. It is difficult in most places in the Red River valley, owing to the very flat and level lay of the land, to secure a dry cellar or basement, and get suitable drainage therefrom. The availabe storage space in this building, therefore, is shown on the first floor plan on the next page.

It will be noted by referring to the first floor plan that the ice room of Mr. Karlen's plant is extra large. The actual requirements of the cold storage would only be about one-half the capacity of this room, but it was thought desirable to make the ice room more than amply large so as to also care for the requirements in connection with the creamery and ice cream business.

The available storage space in this building therefore is shown on the first floor plan on the next page.

It will be noted also by referring to the first floor plan that the receiving room is very small. This is on account of it being unnecessary to do much work at the building as the goods are sent over from the creamery ready to be stored. There is, however, on the second floor above the storage rooms, and above the cooling and receiving room, a roomy attic which may be used for storing empty packages, etc.

The cooling room shown in the plan is refrigerated by the melted ice and salt drip from primary tank, and the temperature of this room will range from 40 to 50 degrees, depending on weather conditions, etc. This cooling room forms a vestibule to the cold storage rooms proper and is also used as a fore-cooler for the purpose of partially cooling the butter and eggs before placing in the storage rooms.

By referring to the section it will be noted that the pipe coils in the butter room are hung from the ceiling and occupy no floor space whatever, and give sufficient height to allow for standing room beneath. They are located directly above as you enter the door of the room and therefore very little useful space is wasted. The egg room is cooled by a single coil hung on the partition wall between the two rooms.

Complete plans for this plant including the building, insulation and equipment were furnished by Madison Cooper Co., Refrigerating Engineers & Architects, Watertown, N. Y. They also furnished the complete mechanical equipment consisting of primary and secondary coils and connections itwh the Chloride of Calcium Process, etc. This work aws all installed by the owner of the plant, Mr Emil Karlen, without our sending any erecting man or supervising work in any way.

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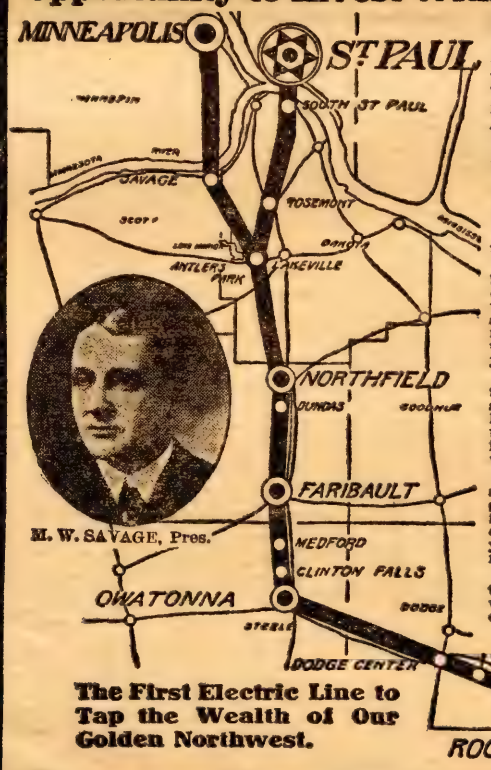
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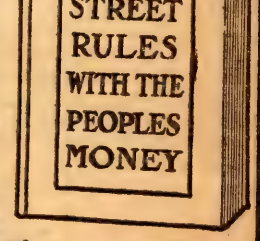
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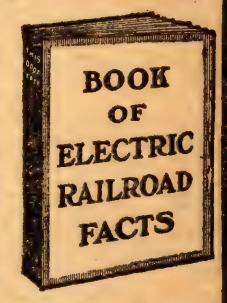
If you've got some money that you want to place where it will bring you big returns, or if you want to invest a little each month out of your income, give me your careful attention for a little while until I can lay before you an investment proposition that strikes me as a great big money maker for the people, and the indisputable facts bear me out in my judgment—I want you to have all the facts and then I believe you will want to put your money where it will work for you and you only.

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I just want you to have these two free books that will open your eyes about banks and Wall Street and investments in general; and when you get these two books I'll stake my chances on whether you'll say "Savage is wrong" or "Savage is right," and it won't interfere with our feelings or friendship if you never invest a dollar or never write me again. I offer you these two books free—I want to show you how you can make your money work and earn for you.

Now just a minute, while I give you a few facts. Perhaps nine out of ten readers of this paper know me already, but to those who do not, I want to say that I've been doing a national and international business out of Minneapolis for the past 22 years.





My business is now the largest of its kind in the world—made so by the continued patronage of nearly three million, thinking, progressive, hard working farmers and stock-raisers. These people are my friends and customers—thousands have already invested in my new enterprise—some from your own State and from every State in the Union and every Province in Canada. I have built up a number of big enterprises here in the Northwest and now I'm building the biggest of them all. It is known as the People's Electric Railroad, owned and controlled by the people.

Dan Patch Electric Railroad

The Dan Patch Electric Railroad runs from Minneapolis to Rochester, and back from Lakeville to St. Paul—120 miles.

I am not merely "thinking" of building this Railroad, I am really building it now. The Northern Section is now in successful operation—great crowds tax the capacity of our magnificent cars—3000 tons of steel rails are being delivered and laid on the Northfield Division and grading has commenced on the last division south.

I am working to make this the best constructed and biggest dividend-paying Electric Railroad in the country. High-class Electric Roads from New York to Spokane are great money-makers. I tell you all about it in my Big Book. This is the second time I have given the people a chance to share with me—my other new enterprise paid 8 per cent the first nine months and 10 per cent again this year.

Now is your chance to share with me in this enterprise—the greatest of them all. I will give you $1000 in voting stock in addition to a small investment. I want to send you the estimated net profit statement, showing how your investment can rapidly increase in cash value. This information is contained in my Big Book of Electric Railroad Facts. I want you to have it even though you never invest a dollar, and I am especially anxious for you to have my new Book, "Why Wall Street Rules With the People's Money."

Don't be backward about sending for these books I want you to have them and they won't cost you a cent—they are free—some of these Wall Street secrets will open your eyes. I want you to see how the people's money works for Wall Street. I want to show you how to make your money work for you and for no one else.

M. W. Savage, President Dan Patch Electric Railroad Minneapolis, Minn.

Dear Mr. Savage:—I don't know whether I'll invest any money or not, but would like to have you send me your two Books—without any obligation on my part—"Book of Electric Railroad Facts" and "Why Wall Street Rules With the People's Money."

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M. W. SAVAGE, President

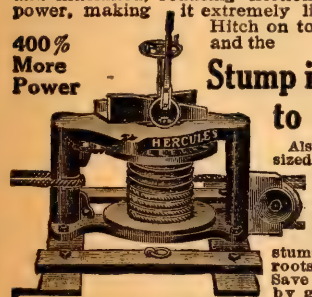
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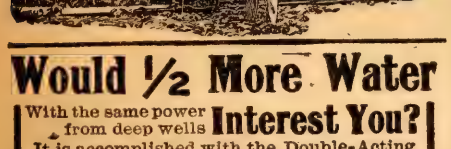
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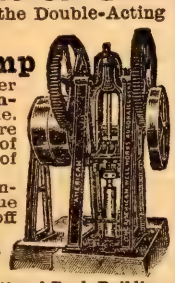


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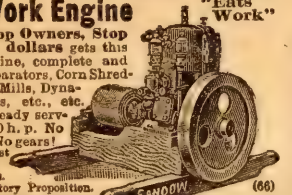
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O, come from the hot, dusty city,
And go back to the farm for a day;
The big blushing apples are ripening,
And there's perfume of newly cut hay.

There's richest of cream in the dairy,
And berries are ready to eat;
The garden is waiting to treat us,
And the spring bubbles up cool and sweet.

We'll ride the kind horses to water,
And milk the gentle old cow;
We'll swing till our feet touch the rafters.
And hunt for the eggs in the mow.

Then leave the vexations and worry,
The city's mad bustle and roar;
And go back to the farm of our childhood,
Where we can be children once more.

—*Francis Miller.*

THE FARMER DOES NOT KNOW HIS WEALTH

AN essential element of plant growth is nitrogen. Soil deficient in nitrogen cannot be productive, and is not profitable to cultivate. Nitrogen is often applied directly to exhausted soils, for which purpose it usually costs from 15 to 18 cents per pound. But every farmer has an abundance of this element of fertility. A little more than three-fourths (77 per cent) of the air is nitrogen, and it is estimated that there are 25,000 tons of nitrogen resting upon and floating over every acre of land. This at the lowest price quoted above is worth $10,500,000. A commercial commodity worth ten and a half million dollars, resting upon every acre of the farmer's farm!

But how can this wealth be made available? It can't be all at once, yet it is there all the time, for though the air is constantly shifting, when one portion moves away, another portion with the same amount of nitrogen, takes its place. But man's ingenuity has not yet devised means of extracting the nitrogen from the air in paying quantities. But nature has. A large family of plants known as legumes grow small nodules on their roots, and in these nodules "live and move and have their being," millions of bacteria, so small that it takes about 25,000 of them touching each other to form a procession an inch long. These bacteria take the nitrogen from the air and use it in some way, as food or otherwise, and then deliver it to the plants on whose roots, their home, nodules form. These plants require a great deal of nitrogen, but under favorable conditions the bacteria furnish them enough and to spare, the surplus being absorbed by the soil, and held there for the use of other plants. If the soil is too wet the bacteria cannot do their work well, and if it the legumes cannot grow. If the soil is hard the air cannot penetrate it, and the bacteria perish for lack of nitrogen.

We need scarcely tell farmers the names of these plants. Alfalfa perhaps heads the list; then come the clovers, red, white, sweet and all others; next peas, beans,, etc. Where these plants grow farmers need not lack for nitrogen, and they will grow almost anywhere that the soil is made suitable.

1. It must be loose so that air may reach the bacteria in the nodules on the roots. 2. It must be dry enough that the bacteria may do their work well. If not so, drainage is necessary. 3. It must not be acid. If so, a treatment of lime neutralizes the acidity.

Farmers, this is the secret of getting some of the vast wealth held for you in the air. Grow the legumes. They are crops that pay well of themselves in seed, feed and forage, besides the silent work they are doing in the soil. Turned under, they give the soil still more nitrogen, as well as other elements and humus. Thus the legumes prepare the soil for all crops, and the farmer who never grows them will lose out with all the millions of wealth around and about him.

A PERPETUAL QUESTION

THE barnyard manure is a perpetual question on the farm, and it usually comes with striking force in the autumn. Every bit of it, not only that in the stalls and sheds, but from every nook and corner where a particle of it has accumulated should be carefully cleaned up and deposited where it will do the most good. Give the whole premises a thorough cleaning up before the winter weather sets in.

We urge this not for the sake of cleanliness alone, but because these accumulations are so valuable to the farm. But the value depends entirely upon the disposition made of them. They are worth nothing in the barn or surrounding it; properly spread on producing land they are worth more than any fertilizer on the market.

Haul out and spread on the thin land. We greatly favor doing this just before breaking so that the manure may be turned under. Its full value is then retained. We imagine OUR up-to-date people did this cleaning up before seeding their winter wheat and meadows, and had the manure thoroughly worked in with the soil. Those who did so will be pleased with the results. Those who did not may now make gains by carefully applying the manure as a top dressing.

Spreading the manure this time of year on unbroken land, while it is better than leaving it in the barn and lot, is wasteful, as it will leach and much of the fertility be washed away. On level land it is not so bad, but hard, unbroken land is not a very good absorbent. If the manure could be stored under shelter and kept until just before breaking for the spring crops, then spread upon the ground turned under, it would be in better condition than now, and better results would follow.

At all events, clean up and make the best possible use of the manure. It is worth money.

TILL NEXT WEEK.

There had been a shower and the sun was shining brightly. The preacher had been left for a moment with the little boy, whom he wished to entertain and impress with good thoughts. He said:

"God is very good, my dear; why do the grass and trees look so much greener than they did yesterday?"

"Cause mama washed the windows when she heard you was commin', but she said she wished to goodness you could a waited till next week."



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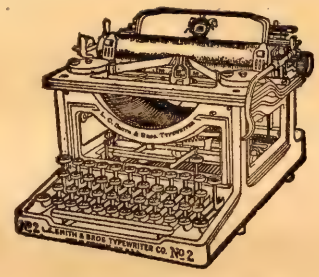
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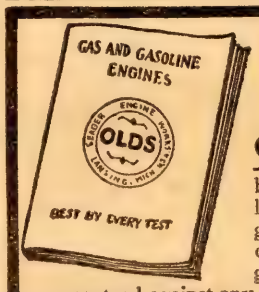


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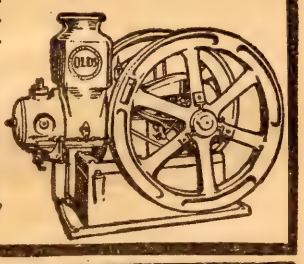
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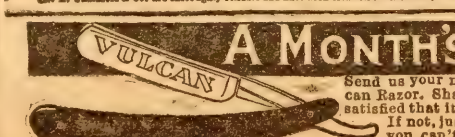
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THE FARM GARDEN

WHY do farmers so inexcusably neglect the garden? Everyone may not, but most of them do. In a recent drive through a thickly settled, good farming section, with a garden, of course, near each farm house, we saw not one but what was overgrown with midsummer weeds. Good vegetables, and perhaps in abundance, had been produced, and the garden was still a source of table supplies; but as the turn of summer came cultivation ceased, and the weeds "did the rest."

This summer and autumn neglect of the garden plot is explainable only on the wonderful form of habit. In setting the crops in the spring, and planning the season's work, the garden is not taken into account. What the farmer himself or his help does in the garden, is snatched from some other job, and is, therefore done grudgingly. Hence the most of the garden work is drawn from the house. When the hot days come, and the early vegetables have mainly matured, the fields being looked upon for no inconsiderable supplies, it is the most natural thing in the world for work in the garden to cease. We do not blame the women. They ought not to have to work it at any time; but the farm hands should make the garden a part of the summer's plans, and they should keep the weeds down for the sake of good culture and next year. Besides the garden may be made a productive plot the season through by rotation planting and contiued cultivation.

IT IS ALKALI.

IN childhood on our father's farm we noticed places that got white in certain seasons, and looked almost like a light snow had fallen. All through life we have noticed such places, and on many farms in the Ohio and Mississippi valleys, quite an acerage is thus affected, and the further west the worse. Such spots are unproductive, and farmers wonder what it is, and how they may change the condition and make the land grow crops.

It is alkali. Almost all soils contain it more or less, but if there is good underdrainage it goes with the water in which it is held in solution, and does not appear on the surface. But when the soil rests on rock, or hard pan, or any impervious clay, the only escape for the water is by evaporation to the surface. As the water evaporates the alkali remains, and gathers on whatever may be ready to catch it on the surface.

The remedy is underdrainage, the breaking up of what hinders the drainage, so that the alkali solution may get away. Such water is heavier than pure water, and it will sink and take the alkali with it if it has a chance to do so. Where the soil rests upon rock this breaking up is difficult, and such land is worth little for production, but hard clays may be broken up by deep underdrains. Burnt clay and even concrete tiles, however, are affected by the alkali, and do not last for many years. For that purpose square or open bottom wood tiles are better. The alkali seems to have a preservative effect on the wood. Besides wood kept forever wet is almost imperishable. It is alternate wetting and drying that causes wood to decay. Hence for this purpose the tiles should be laid very deep so that they may never dry out, and so that they may more perfectly carry off the alkali water.

360 DAYS APPROVAL TEST.

A more generous and fair offer could hardly be made than that of the Kalamazoo Stove Co., Kalamazoo, Mich. They sell any stove on a 30 Days' Free Trial, and for one year afterward the purchaser has the privilege or returning it and receiving the money paid. Certainly one cannot lose in dealing on such terms as these. Write for their catalogue No. 290, giving full particulars.

CAN'T ALWAYS TELL

You may notch it on de palin's as a mighty resky plan
To make your judgment by de clo'es dat kivers up a man;
For I hardly needs to tell you how you often come across
A fifty-dollar saddle on a twenty-dollar hoss.
An', wukin' in de low-groun's, you diskiver, as you go,
Dat de fines' shuck may hide de meanes' nubbin in a row!

I think a man has got a mighty slender chance for Heben
Dat holds on to his piety but one day out o' seben;
Dat talks about de sinners wid a heap o' solemn chat
An' nebber draps a nickel in de missionary hat;
Dat's foremost in de meetin' house for raisin' all de chunes,
But lays aside his 'ligion wid his Sunday pantaloons!

I nebber judge o' people dat I meets along de way
By de places whar dey come fum an' de houses whar dey stay;
For de bantam chicken's awful fond o' roostin' purty high,
An' de turkey-buzzard sails above de eagle in de sky;
Dey ketches little minners in de middle ob de sea;
An' you find de smalles' 'possum up be bigges' 'simmon tree!

—*J. A. Macon.*

GOVERNMENT CROP REPORT

ACCORDING to the government crop report issued in October, the wheat crop of 1910 falls below that of 1909. The 1909 crop of spring wheat was 290,823,000 bushels, while that of 1910 was 233,575,00 bushels. The total wheat crop of 1909 was 737,189,000 bushels; that of 1910 was 691,706,000 bushels, a shortage or reduction of 45,420,000 bushels. The oats crop, however, is larger this year than it was last, the last year crop being 1,007,355,000 bushels, while that of this year totals 1,096,369,000 bushels, an increase of 89,014,000 bushels.

The condition of the corn crop in the leading corn states in October, was nearly 5 per cent better than a year ago, and 2 per cent better than the ten year average. The condition of tobacco in the tobacco producing states was a little below that of last year, while potatoes are reported 7 per cent below.

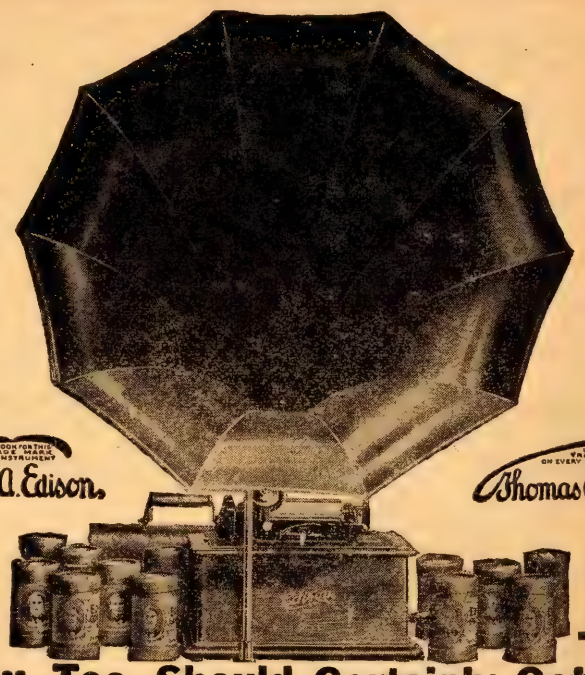
PRODUCTION PER ACRE

ACCORDING to the department of agriculture the production per acre of wheat in the United States was 14.2 bushels in 1910; 15.8 bushels in 1909, with a ten year average of 14.1 bushels. Of oats it was 31.9 bushels in 1910; 30.3 bushels in 1909, with a ten year average of 29.5 bushels. Of barley it was 22.4 bushels in 1910; 24.3 bushels in 1909, with a ten year average of 25.7 bushels. The total barley crop of 1910 was 158,138,000 bushels. The production of rye per acre was 16.3 bushels in 1910; 16.1 bushels in 1909, with a ten year average of 16 bushels. The total rye crop was 32,088,000 bushels in 1910; and 32,239,000 bushels in 1909. The production of hay per acre was 1.34 tons in 1910; 1.42 tons in 1909, with a ten year average of 1.44 tons. The total hay crop was 60,116,000 tons in 1910, and 64,938,000 tons in 1909. The total wheat and oat crops are given in another article.

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Is There a Catch in This? I will tell you my reason for this extra liberal offer. I feel that when I ship you a phonograpn on a free loan, you will help me advertise it by letting your friends and neighbors hear the concert at your own home. Someone, somewhere, will then want to buy one of these phonographs; perhaps several people will want to buy. Tell your friends, please, that they can have an Edison on terms of $2.00 a month, and absolutely at the rock-bottom price. I simply want you to get an Edison phonograph on a free loan, and help me advertise it in that way. Write today for the Free Catalog.

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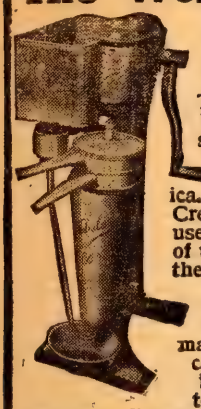
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THE BRINDLE COW

By Lincoln Rappleye.

I'd love to be a brindle cow,
And chew my cud all day.
And when I'd get it all chawed up,
I'd swaller some more hay.

And when I couldn't hold no more,
I'd lay right down and rest,
And give that hay, and other stuff
A good chance to digest.

I'd like to smash the fences down,
And get out in the corn,
And trample there for hours and hours,
Yes, stay out there till morn.

Oh, you can bet a brindle cow,
Can have a lot of fun,
I'd beller out so awful loud
You'd think it was a gun.

I'd run and kick and snort and jump,
And blat at other cows,
Oh, I would have just all the fun
The U. S. law allows.

But oh, the AWFUL fun I'd have,
When I was good and dead,
Was manufactured into beef
And to the folks was fed.

For I had had SUCH fun in life,
Oh yes, more than enough,
That now they couldn't eat me
Just because I was so tough.

AN APPEAL TO STOCK GROWERS

EVERY farmer is a stock grower, or ought to be. Generally when that application is used, reference is made to the large growers in the West, or to those who make a specialty of growing stock. But when we speak of stock growers we mean not only those, but every farmer in all this land who raises stock of any kind and in any number. Live stock fills a place and does a work on every farm that can not be so well filled or done by any other agency. And while doing that it should be made to yield a revenue.

Few branches of farming are more handicapped in the selling than the live stock it produces. It seems like the stock markets, the price making feature of them, are farther from the farmer than the markets which take his other stuff. There isn't a doubt but the great packing house trust rules this market with an iron hand, and the farmer finds it difficult not only to influence the price, but to learn much about it. How eagerly would stock growers grasp at a means, could they see it clearly, that would change these conditions, educate up on different lines, and at least penetrate the gloom and pierce the darkness that surrounds the live stock price and market.

UP-TO-DATE FARMING does not neglect the producing side of farming, but it is specially devoted to the selling side. We make it our business to pry into the markets, and learn all there is to know about the price, and tell it openly and above board to our readers. This has been our mission since the first issue went to press many years ago. Thousands of letters since then have testified of benefits derived from the information thus given.

In addition to all this, we have inaugurated, and have in operation, a SYSTEM that brings the farmer in close touch with the consumer, with reliable and responsible houses with agents to act for the two, and that cuts out much of the complicated and unnecessary machinery that has drawn excessive toll from the users and absorbed the profits that justly belong to the farmers. It may be a little more difficult to bring live stock into this saving system, and that is why we are making this appeal to live stock men, whether growers of herds on the plains, or the raisers of a few calves, or pigs, or lambs on the farms. Information is what is needed, knowledge of the things and conditions that control them, that the better system of marketing my be made to apply to whatever is for sale on the farm.

Suppose some one should agree to come to every farmer's home every two weeks and tell the farmer all that it was possible to learn about these things during the preceding two weeks, with the most reliable instructions as to what might be expected in the future. Suppose in addition to all this, he should never fail to have something of interest to tell about the general farm work, with pleasant and instructive things for the folks in the home, all seasoned with nice bits of fun thrown in between. Would not such a visitor be warmly welcomed everywhere, the best dinner spread for him, and the most liberal care taken of the horse that brought him to the home?

Now, dear reader, that is UP-TO-DATE FARMING just about as truly as it can be pictured. It comes every two weeks and may, ere long, come every week, and it tells just what farmers and stock growers ought to know about marketing, and gives information they cannot get from any other source, for we make it a specialty to get that very information and give it to our readers—it is our life chosen mission. It requires no dinners nor horse feed—only THIRTY CENTS to secure its visits every two weeks, possibly ofterner, for a year!

We want every reader, whether a stock grower or not, to help us in our mission of getting better sales for farm products. It takes education to do it. That visitor must go to every farm home. Will you, kind reader, be sure to renew promptly, and will you ask your neighbors to send their subscriptions in with yours—ten, five, three, or only one? Don't you see what a wonderful help it will be to us—and to the farmers more than to us? Note elsewhere what inducements we offer. We want every farmer to learn of and help with the Equity System of Marketing as taught exclusively by UP-TO-DATE FARMING.

BUTTER ON THE FARM.

EVERYBODY wants to make good butter but everybody don't. That which most frequently interferes is the churning of cream of different ages and in different stages of ripeness. It is seldom that cream enough for a churning is obtained on the farm at a single milking, and to save the cream of several milkings and mix and churn them together is almost a necessity. In such cases mix the cream at time of skimming, and stir up well together, so that when churning is done, no matter how many milkings the cream came from, there is but one batch, and being so well mixed at each addition, it is of uniform ripeness.

Do not let the cream get too ripe; churn whenever there is a sufficient quantity. The mixing hastens the fresh and holds back the old so as to bring all to the same stage. Don't hold it too long. A small barrel churn is the best churn for the farm. It is much easier to turn the crank than to work the dasher. Then instead of taking the butter up the milk may be drawn off at the bottom. Cold water may then be put in the churn, and the butter washed by the process of churning. A change or two of water, and a large spoon or ladle, saves working it with the hands, and does a better and pleasanter job.

GIVE SUNSHINE TO THE LIVING

Give your sunshine to the living,
Do not wait till they are dead.
Oh, there's joy in constant giving.
Human hearts are comforted.
And the giver feels the love light
Of the heart's responsive smile,
Knowing that another's pathway
Has been brightened all the while.

Give your sunshine to the children,
Scatter flowers with eager hand,
You can wake a chord responsive
That will vibrate o'er the land.
Lavish smiles upon the aged,
Cheer the weary on their way,
Make this world once more an Eden,
By the kindness of today.

—*Household Journal.*



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THE 1910 POTATO CROP—SHALL IT BE MARKETED OR STORED

(Concluded from page 23.)

gumption to quit such a business or do something to improve it and make it worthy of their devotion to it.

Last year the October 1st Government crop report on potatoes put the condition of the crop at 78.8 per cent, as compared with 68.7 per cent. Oct. 1, 1908. That indicated a probable yield of 320,000,260 bushels for 1909, which, while a large crop, ought to easily be consumed at good prices, nearly approaching what had been realized in several preceding years.

Potato growers accepted the figures and when the price fell below what they had been accustomed to receive in the fall, they stored their crops for the advance that had invariably come in the spring for several years. They did not know that the October 1st report was not a true report of the condition, or that it had been warped by the very general opinion that the frosts that occurred over a large extent of country in New York, Michigan, Wisconsin and Minnesota, the latter part of September, had done greater damage than actually occurred.

The next report, Nov, 1, indicated a yield of 367,000,000 bushels and the final report, Dec. 1, announced the unprecedented yield of 376,537,000 bushels. That was almost 100,000,000 bushels more than the year before and 44,000,000 bushels more than the largest previous crop.

But very few of the growers received the government report, or read it in their farm papers, and very few realized before spring what a stupenduous crop of potatoes was produced. Therefore they followed the plan that had worked well for a few years and the result was disastrous for those who stored the crop. If they would have had exact knowledge of the crop, even in November, and advice to market freely early in the season when the prices were very good, considering the size of the crop, the spring marketing might have been very different.

Coming now to the 1910 crop. The government report of Oct. 1 makes the condition 71.8 per cent. of normal. This indicates a crop of 291,597,000 bushels. There may be some improvement, and the November estimate and the final estimate of December may indicate a larger crop, and we expect they will, because of the unusual absence of frost, giving a longer growing season. But there is not a remote possibility of a bumper crop, taking the country over. While the crop in the East may exceed last year's, the great droughts in the western territory will more than ofset the abundance elsewhere.

The following table shows the final estimates of yields in the heavy producing states for 1909, compared with the yields indicated by the Oct. 1, 1910 report:

	Final yield 1909	Oct. 1 estimate, 1910
Maine	29,250,000	32,175,000
New York	52,560,000	50,026,000
Pennsylvania	23,790,000	28,700,000
Ohio	16,926,000	14,209,000
Illinois	14,924,000	11,934,000
Michigan	36,540,000	36,053,000
Wisconsin	26,724,000	19,800,000
Minnesota	18,400,000	11,257,000
Iowa	12,905,000	9,910,000
Colorado	10,400,000	7,634,000

Our purpose in printing this table is to show that there will be a heavy shortage in the Western producing territory which must be supplied from the East. Also to emphasize the importance of facts such as UP-TO-DATE FARMING gives reaching all potato growers, particularly in the East.

Potato growers who marketed first last season got the highest prices. They are inclined to market first this year, remembering last year's experience. Those who held last year got the lowest prices so this year they argue they will not get caught again and are inclined to market early. The result is that prices are lower than a year ago. Many of them go by precedents and are not governed by the varying conditions, usually because they do not know the conditions. But it is the mission of this paper, and the purpose of the Equity System to report the true conditions and give dependable advice. To that end we want all potato growers to understand that the condition as regards crop are reversed this year. There will be only a normal crop against an abnormally large one last year. Therefore the method of marketing should conform to the crop. Instead of dumping the 1910 potato crop it should be marketed gradually with the assurance that all the crop will be required and fair prices will be paid, if they are demanded.

The unusual marketing has forced lower prices for this crop than prevailed last fall for a much larger crop. Quit dumping. Hold the potatoes back. The season is yet young and a concerted movement to hold potatoes off of the market now will cause the price to advance. Then by keeping the minimum prices that are printed in this paper in mind good prices can be obtained all through the year.

This is the year to store part of the crop and a good large part, too. If the growers won't store them the speculators will. Don't forget that. Store them at home if possible, but if not possible, then arrange with the Equity System representatives to store them in central markets.

And keep your subscription paid in advance to this paper and see that all your acquaintances take it. We are going to help our readers to get good prices for their potatoes, while not neglecting other crops. We are just commencing. Be sure to read future numbers.

Don't go to the Frozen North Go With Me to the Sunny South

LOOK HERE The Coast Country of Texas is famous all over the country. Tens of thousands of Northern people have bought land in that district and are prosperous and happy farmers.

The Best Tract of Land in all that Country Has Just Been Opened for Settlement. It is the

Famous O'Connor Ranch

In Calhoun County, Comprising 70,000 Acres

It is the **BEST, because** the land is unsurpassed in richness and quality; because it is bordered by the Gulf and Bays on three sides; because it has a railroad through the entire length, 19 miles, and no farm will be more than six miles from the railroad; because it has a Gulf port, Port O'Connor, which is destined to be one of the important cities on the Gulf; because it is on the great new Inter-coastal Canal; because the rainfall is more abundant than farther south, average 38 inches rainfall well distributed throughout the year; because the tract is underlaid with artesian water and 23 wells are now flowing on our land; because the water is pure; because the greatest variety of crops can be raised, cotton, grain, fruit and vegetables; because early vegetables and fruit grown here find markets in the North at fancy prices; because the water shipping facilities gives this section low, competing freight rates to the great Eastern markets.

This is What You Can do Now

You can go with me on the next excursion and select a farm on the railroad that might become a townsite; or on one of the beautiful bays where it will be a pleasure and constant delight to live and enjoy such hunting, fishing and bathing as cannot be surpassed anywhere; or interior land if you prefer. And remember, on any of this land you can have crops growing every month in the year.

The land is level; no stumps, or stones, but is ready for the plow. Locate your farm, begin work and sell crops in a few months.

Being nearly surrounded by water, the climate is cool, with Gulf breezes. There is no winter and there is no sweltering summer. Never has been a tidal wave and never can be as it lies too high and is protected by islands.

I am not attempting to tell you all about the **FAMOUS O'CONNOR RANCH.** It takes a book to do that and I want to send you one. All I hope to do in this advertisement is to get you interested. **I invite you now** to go and see for yourself. If you do not delay you can select one of the choicest farms that will produce more per acre than farms worth $150 to $200 an acre in Indiana or Illinois. Yet this land can be bought at $25.00 to $30.00 an acre now. Land no better than ours in this section is selling for from $50 to $75 per acre and it is not nearly so well located. We are owners—not agents—and want to develop the town as well as to sell farms.

Let me send you my book and full particulars, then you can decide, but don't try to decide before if you want a home and business, or if you want to invest in land that will double and triple in value in a few years.

Fill out the coupon and send at once.

CALHOUN COUNTY CATTLE COMPANY

C. H. LEE, Manager Indianapolis Office
INDIANAPOLIS INDIANA

— — — — — — — — THIS IS THE COUPON — — — — — — — —

MR. C. H. LEE, Indianapolis, Ind.

Dear Sir: Please send me free full particulars of the O'Connor Ranch lands, prices and when your next excursion will go I am interested in a farm of.....acres.

My name .....

Address .....

BROWN FENCE
Rust Proof - Bull Strong
Fences for horses, cattle, sheep, hogs, chickens, etc. 160 styles.
BARGAIN PRICES:
14 Cents Per Rod Up.
We pay the freight. Lawn Fences and Gates. Free catalog and sample.
The Brown Fence & Wire Co.,
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FARM FENCE
13¾ cts. a rod
For a 20-inch or 15 cts. for 26 in. Hog Fence; 28 cts. for 50-inch poultry fence.
Sold direct to the farmer on 30 DAYS FREE TRIAL.
Special barb wire, 80-rod spool, $1.55. Catalog free.
INTERLOCKING FENCE CO.
BOX 45 MORTON, ILLINOIS.

13¼ Cents a Rod
For 18-in. 14 3-4c for 22-in. Hog Fence; 15c for 26-inch; 18 3-4c for 32-inch; 25c for a 47-inch Farm Fence. 48-inch Poultry fence 28 1-2c. Sold on 30 days trial. 80 rod spool Ideal Barb Wire $1.55 Catalogue free.
KITSELMAN BROS.,
Box 289 MUNCIE, IND.

48 IN. FENCE a rod 25c
Best high carbon coiled steel wire. Easy to stretch over hills and hollows. FREE Catalog—fences, tools. Buy from factory at wholesale prices. Write today to Box 71
MASON FENCE CO., LEESBURG, O.

ORNAMENTAL FENCE
Cheaper and more durable than wood. For Lawns, Churches, Cemeteries, Public Grounds. Also Farm and Poultry Fence. Catalogue free. Write for Special Offer.
THE WARD FENCE CO. BOX 436, DECATUR, IND.

White Plymouth Rocks
CORRECT TYPE
Indian Runner Ducks
Booking orders now for Duck Eggs to be delivered next spring. Send in your orders.
J. B. HOWE, Judge, Box M, Fortville, Indiana

10 DAYS FREE TRIAL
We ship on approval without a cent deposit, freight prepaid. DON'T PAY A CENT if you are not satisfied after using the bicycle 10 days.
DO NOT BUY *a bicycle or a pair of tires from anyone* at *any price* until you receive our latest art catalogs illustrating every kind of bicycle, and have learned our *unheard of prices* and *marvelous new offers.*
ONE CENT is all it will cost you to write a postal and everything will be sent you free postpaid by return mail. You will get much valuable information. Do not wait, write it now
TIRES, Coaster-Brake rear wheels, lamps, sundries at *half usual prices.*
MEAD CYCLE CO. Dept. H 170 CHICAGO

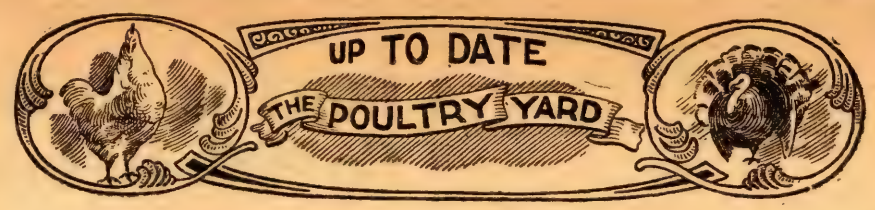
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Shores REMEDIES
EXTRACTS SPICES
Wanted
Farmer or Farmer's Son
with rig in every County to introduce and sell Family and Veterinary Remedies, Extracts and Spices. Fine pay. One man made $60 one week. We mean business and want a man in your County. Write us.
SHORES-MUELLER CO., Dep't J, Tripoli, Iowa

$6.75 a Day Sure selling the Dr. Haux famous "Perfect Vision" Spectacles—finest and cheapest on earth. Anyone can fit them to the weakest eyes with the improved Metal Eye Tester shown in the above picture, which we give free with an Agent's Outfit. Write for special agent's and dealer's terms. Address—
Dr. Haux Spectacle Co., Desk 407, St. Louis, Mo.

AGENTS 100% PROFIT
15 IN 1
Most perfect and valuable Combination of tools ever invented. Sells at sight to Farmers, Plumbers, Machinists, Automobile Owners, in stores and the home.
15 TOOLS IN 1
Made of Drop Forged high grade carbon steel. Big snap for agents. Low price. Splendid seller. Sample free to workers.
THOMAS MFG. CO., 2881 Wayne St., Dayton, Ohio.

GREAT MONEY MAKER FOR AGENTS
PROF. LONG'S MAGNETIC COMB
Sell Magnetic Combs and get rich; agents wild with success. They remove dandruff; stop falling hair; RELIEVE HEADACHE, never break. Send 2c stamp for sample. PROF. LONG 809 Ash St., PEKIN, Ill.

Wanted—A man or woman to act as our information reporter. All or spare time. No experience necessary. $50 to $300 per month. Nothing to sell. Send stamp for particulars. SALES ASSOCIATION, 629 Association Building, Indianapolis, Indiana



TWO PLANS OF HOUSING

THERE are now in vogue two systems of housing poultry, there being, as usual between extremes, countless varieties of houses and methods between them.

First, we may mention the colony plan. This consists in having as many separate houses as there are flocks, and placing these so far apart that the fowls may run at large. That is, where the purpose is to keep a large number of chickens either for eggs or meat, or both, to divide the fowls in small flocks, having a separate house for each flock and each so situated that all may run at large.

The advantages of this plan are, no expense for fencing, less need for attention to cleanliness, and the free range, enabling the fowls to get for themselves the valuable feed that nature provides. But so many different houses cost more, and being so far apart the fowls cannot be so conveniently cared for in bad weather. Another disadvantage is that fewer birds can be kept to the acre, 100 to the acre being about the limit of the colony plan.

Second, the continuous apartment house. This kind of house consists of a series of separate pens, under one roof, each opening into a separate run. Such houses or pens, being under the same roof, are more cheaply built. The partitions may be of netting or slate; but there is the cost of the separate runs, and greater necessity of keeping the pens cleaned. Also the runs should be as large as possible so as to give the fowls the greatest degree of freedom, but even then there must be care to provide the fowls with the nature feed they would get if allowed to run at large. Still the work is concentrated, and at least four times the number of fowls may be kept to the acre.

THE NEW BLOOD.

DON'T let anything "run out." It is necessary occasionally to renew both animals and vegetables when kept in the same location. And this is true of fowls also. In the matter of fowls new blood may be introduced by procuring either hens or roosters from other flocks. A good way is to buy a dozen or two of thrifty pullets from another flock, even though it may be from an adjoining farm. Swapping eggs during hatching time is practiced to some extent, the parties doing it scarcely realizing the importance of it.

But the general way of introducing new blood, especially among thoroughbreds, is to procure males from other flocks. Of course, these must be of the same breed, and they should, if possible, be of a better strain—never of a strain of inferior quality. A few dollars in price should cut no figure in securing this new blood. Get the best.

And it is better to get roosters for this purpose in the fall. There is generally a saving in price, there is always a larger flock to select from, and really better birds may be obtained. There is the winter risk of mishaps to the fowls, but that need not be very great.

POULTRY AND RATS

RATS are to be considered in the construction of the poultry house, and in the location of the runs. There must be nothing about the house than can afford a harbor for rats. If it is proposed to have an apartment in which to keep the feed, that apartment must be strictly rat proof, and there must be no place about it, under it or in the walls, where rats could make a nest or hide; and the runs should not be near a corn crib or other buildings when rats may have breeding places.

TO TEST EGGS FOR FRESHNESS

GROCERS "candle" eggs to determine whether or not they are fresh. Candling eggs is to hold the egg between the eye and the flame of a lighted candle or lamp. The condition of the egg is determined by its clearness or opaqueness as thus seen.

A simple way to accomplish the same purpose is to make a brine or a solution of salt and water strong enough that an egg which is known to be fresh will settle in it slowly, and rest lightly on the bottom, but will certainly sink. Then put in the doubtful eggs one by one. An egg that floats is bad, and the eggs that are not fresh will settle much more slowly than did the fresh egg.

THE ORCHARD AND POULTRY.

IT seems like enough has been said of the relation between the orchard and poultry, but it is so important that too much can scarcely be said on the subject. The orchard is essentially the farm home of the chickens. It is the very best place for them, when they can be out doors at all, both winter and summer. In spring there are more insects there than anywhere else; in summer it is the place to find grasshoppers and beetles, and it is the ideal location for the fall sown rye for the winter poultry pasture.

And every insect the fowls catch is a benefit to the orchard and its fruit. Every blade of grass they take, and every grass and weed seed consumed, is a benefit also. The poultry droppings are valuable too, and the plowing for the seeding to rye is as great a benefit, perhaps, as all the rest.

Hence, the poultry house should be in or near the orchard, which should always be the chickens' open house.

THE ORPINGTON

NOT long ago the Orpington was not very much regarded in the United States, but during the last few years it has grown rapidly in popularity, and it is now placed in the rank of our most valuable breeds.

The orpingtons were originated by William Cook and Sons, prominent poultry breeders of England, and, like the Plymouth Rocks and Wyandottes, were bred to special points. Originally it was proportionately the plumpest and shortest bodied of our barnyard fowls, and its form and carriage were such as to give its body outline almost the shape of the letter U. Mr. Cook took great pride in this U-shape; but American breeders like a longer bodied fowl, and the tendency in this country has been to lengthen the Orpington body.

The Orpington is a good layer and can scarcely be excelled as a meat producer. We agree that it merits its growing popularity.

A BOY'S ESSAY ON HENS

"Hens is curious animals. They don't have no nose, nor no teeth, nor no ears.

"The outside of hens is generally put into pillers and feather dusters. The inside of a hen is sometimes filled up with marbles and shirt buttons and sich.

"A hen is very much smaller than a good many other animals, but they'll dig up more tomato plants than anything that ain't a hen.

"Hens is very useful to lay eggs for plum pudding. I like plum pudding. Skinny Bates eat so much plum pudding once that it set him into the colliery.

"Hens has got wings, and can fly when they are scart. I cut my Uncle William's hen's neck off with a hatchet, and it scared it to death.

"Hen's sometimes make very fine spring chickens."

I WANT A MAN
of good character, in each city and town to act as my
SPECIAL REPRESENTATIVE
No peddling, canvassing or other objectionable work required. Previous experience unnecessary. Duties need not, at first, interfere with your present employment.
E. R. MARDEN, PRES.
I will assist the right man to become independent for life.
If you are making less than $2,400 a year and are trustworthy and sufficiently ambitious to learn and become competent to handle my business in your vicinity, write me at once for full particulars, my bank references, etc.
Address
Edwin R. Marden
139 Marden Building
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MY OWN BUILDING—where nearly 300 employees handle the office details of the immense volume of business transacted by my representatives

MOTORMEN WANTED
Big Pay, Sure Position
Also Conductors. Doesn't this beat following a plow? We fit you at home in your spare time for the good paying profession of Electric Motorman or Conductor. The work is steady the year round, and the wages high.
POSITIONS OPEN NOW
waiting for our graduates. This school is endorsed by Electric Railway Managers all over the country. If you want a good paying position, write today for new Free Catalog and full information. Official Ry. School, Gen'l Office 464 Freeport, Ill.

AGENTS—$45.00 A WEEK
MENDETS
A PATENT MATCH
They mend leaks instantly in granite ware, hot water bags, tin, copper, brass, cooking utensils, etc. No heat, solder, cement or rivet. Anyone can use them. Fit any surface. Perfectly smooth. Wonderful invention. Millions in use. Send for sample pkg., 10c. Complete pkg. assorted sizes, 25c. postpaid. Agents wanted. Write today.
Collette Mfg. Co., Box 183 Amsterdam, N. Y.

AGENTS: A live wire. $200 a week easy. Sell the best Vacuum Cleaner on the market at a price so ridiculously low that anyone can afford them. Sells on sight. You be the one to get the thousands of dollars in profits. A postal will bring you full particulars. Free full sized working sample.
BRAHAM CO., C 2551, Cincinnati, Ohio

WE WANT MEN TO LEARN THE BARBER TRADE. It's easy. Good field for our graduates. Our diplomas recognized everywhere. Established 1895. Our Manual for Home Study. Branches in all leading cities. For information regarding any one, write Dept. 17, Moler System of Colleges, Chicago, Ill.

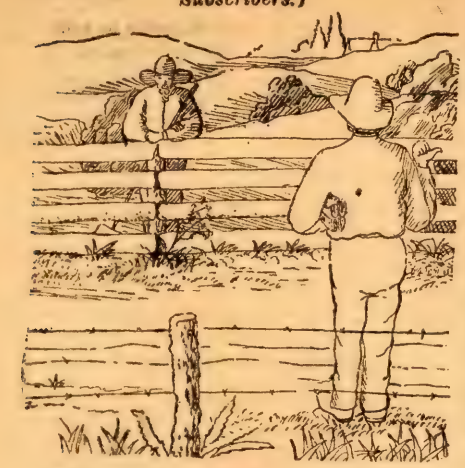
$25 WEEKLY and expenses to men and women to collect names, distribute samples and advertise. Steady work. C. H. EMERY, A P 254, Chicago, Ill.

KITCHEN SET FREE
(22 INCHES LONG)
American Kitchen Friend
(10 INCHES HIGH)
Complete Kitchen equipment—a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort. Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

COUPON
D. W. BEACH, BOX 502
Spencer, Indiana.
Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.
Name.....
P. O.....
St. or R. F. D..... State.....

JUST ABOUT THE CAPER

(Illustration and Poem by one of our Subscribers.)



"Hello, Jenkins, How're ye comin'?"
"O, purty well these growin' days.
Been over to the village
To hear that feller Hayes,
What's lecturin' through the country
On that cooperative plan.
Not so very new either,
And farmers are takin' to it
Sure as I'm a man."

"That so? Well now, I just declare!
What did he have to say?
I sure intended goin',
But thought it wouldn't pay.
So I loaded up my wheat and oats
For an early start to town.
John Watkins told me yesterday
That I had better hurry,
For the price was comin' down."

"Well, he told us feller farmers
If we would organize
And hold on to our products,
The price was bound to rise.
So I'll tell you what I think
Would be the proper caper—
Send 50 cents to UP-TO-DATE,
And 'scribe for that 'ere paper."

THE FARMER FEEDS THEM ALL

The politician talks and talks,
The actor plays his part,
The soldier glitters in parade,
The goldsmith plies his art.
The scientist pursues his germs
O're this terrestial ball,
The sailor navigates his ship,
But the farmer feeds them all.

The preacher pounds the pulpit desk,
The broker reads the tape,
The tailor cuts and sews his cloth
To fit the human shape.
The dame of fashion dressed in silk,
Goes forth to dine or call,
Or drive, or dance, or promenade,
But the farmer feeds them all.

The workman wields his shining tools,
The merchant shows his wares,
The aeronaut above the clouds
A dizzy journey dares;
But art and science soon would fade,
And commerce dead would fall,
If the farmer ceased to reap and sow,
For the farmer feeds them all.
—Chas. R. Fox.

GET THIS FAMOUS BOOK

Every reader of this paper has probably known for years of the famous "Kalamazoo Idea" of selling high grade stoves and ranges from "Kalamazoo direct to you" on a most liberal plan. The popularity of this plan has caused this company to grow so large, that it has been necessary this year to make large additions to their factory.

Then, too—in order to increase the healthful conditions which have always surrounded the men in the Kalamazoo factories, they have built a two story lavatory and bath-room for their men. The expert stove makers employed by the Kalamazoo Stove Company work under the most favorable conditions and produce the most satisfactory work of any men employed by any company making stoves in this country.

We believe that our readers will be interested to know these facts and also to send their names for the new 1919-11 Kalamazoo Stove catalogue which also includes gas stoves, and which shows prices of all kinds of ranges, stoves, heaters, etc., sent direct to the user at wholesale factory prices.

Every Kalamazoo is handsomely finished and blacked and safe delivery is guaranteed, all ready to be set up for use. Freight is prepaid and you have 30 days free trial to test the Kalamazoo right in your own home and 360 days approval test backed by $100,000 bank bond guarantee of satisfaction or money back.

The Kalamazoo Stove Company has over 140,000 satisfied regular customers among farmers and home folks all over the United States. It is very probable that if you wish to ask people near you who own Kalamazoos how they like them, that the company can send you the names of many in your own neighborhood.

Kalamazoo stoves, ranges and gas stoves are not sold through dealers or agents, but everybody first sends for their big free catalogue which costs them 10c to mail to you and which contains over 100 pages, fully illustrated—showing you how you can save from $5.00 to $40.00 on any stove or range that you buy. The Company will let you pay cash or give credit to responsible buyers, so that if you wish you can make a small payment down and the balance on easy monthly payments.

Every reader of Up-to-Date Farming who is contemplating buying any kind of a stove or range or gas stove will find it very profitable and satisfactory to send a postal card or letter for the Kalamazoo catalogue No. 290. You may say on your letter or postal just what kind of a stove or range you are thinking of buying, and say whether you are interested in gas stoves. Address Kalamazoo Stove Company, Manufacturers, Kalamazoo, Mich., and tell them to send catalogue No. 290.

DIDN'T COUNT.

"Bobby, you are a sweet little boy. Here is a nickel. How many fellows has been to see Ethel this week?"
"Four."
"Does that include me?"
"No. Sister says you don't count."

Bob—Mrs. Prudery refuses to live in their new home.
Joe—What's the trouble?
Bob—She is too modest.
Joe—I think the new house is a nice, modest structure.
Bob—No, it is built of undressed stone.

ALL MADE UP.

Haughty Girl—Yes, I see, your mind is made up.
Indignant Young Man—Yes, and I see, so are you girls.

No Man is Stronger Than His Stomach



A strong man is strong all over. No man can be strong who is suffering from weak stomach with its consequent indigestion, or from some other disease of the stomach and its associated organs, which impairs digestion and nutrition. For when the stomach is weak or diseased there is a loss of the nutrition contained in food, which is the source of all physical strength. When a man "doesn't feel just right," when he doesn't sleep well, has an uncomfortable feeling in the stomach after eating, is languid, nervous, irritable and despondent, he is losing the nutrition needed to make strength.

Such a man should use Dr. Pierce's Golden Medical Discovery. It cures diseases of the stomach and other organs of digestion and nutrition. It enriches the blood, invigorates the liver, strengthens the kidneys, nourishes the nerves, and so GIVES HEALTH AND STRENGTH TO THE WHOLE BODY.

You can't afford to accept a *secret* nostrum as a substitute for this non-alcoholic medicine OF KNOWN COMPOSITION, not even though the urgent dealer may thereby make a little bigger profit. Ingredients printed on wrapper.

The Overland for 1911

Licensed under Selden patent

How We Saved You $300 Per Car

In the past two years we have cut the cost of Overlands 28 per cent by investing $3,000,000 in the highest type of modern equipment

When the Overland was perfected, and the demand came in floods, we began investing every dollar of earnings in modern, automatic machinery.

Every machine cut the cost of some part, and made that part with utter exactness. Now we have many acres of floor space filled with these wonderful machines.

This labor-saving machinery, and our enormous production, has reduced the cost of Overlands, on the average, $300 per car. And every cent of the saving, as fast as we made it, has been given to Overland buyers.

Every material in every Overland chassis is the best that money can buy. Every feature, regardless of cost, is made in accord with the best engineering practice. The car is inspected better than any other car in the world. We have too much at stake to take chances.

But our matchless machinery enables us to build utterly perfect cars at prices which none can meet.

20,000 in Use

The Overland is not yet three years old, yet 20,000 owners are now running these remarkable cars. And dealers have already paid their deposits on more than 18,000 of the new-season models just out.

Never was a car so successful. The demand for the Overlands, for much of the time, has been from two to three times the supply.

When you come to select an automobile, the first car to consider is the one which has made such a record.

22 Models for 1911

For 1911—the season just opening—we are putting out 22 models. They run from 20 to 35-horse-power—from 96-inch to 118-inch wheel bases—from $775 to $1,675. All are 4-cylinder cars.

We can meet any idea on size, style and power at a lower cost than anyone else.

The models include all the newest designs—the torpedo roadsters—the touring cars with fore doors—the drop frames—the straight lines. Not a new model of the highest-priced makes excels them in style or appearance.

Fore Doors Included

On some of our models we offer the option of fore doors or open front—your choice at an equal price.

The fore-door models are the coming vogue, and most makers, because of their newness, charge an extra price for them. In the Overland line these up-to-date models sell at the standard price.

Some of the models have the pedal control—some the sliding gear transmission. All have double ignition—magneto and battery. All are built to keep the cost of upkeep down to the lowest minimum.

From $775 to $1,675

This year we sell a 20-horsepower roadster, with 96-inch wheel base, for $775. Its possible speed is 45 miles an hour.

Our 25-horsepower touring cars, with 102-inch wheel base, sell for $1,000. That's nine per cent less than last year. Your choice of five styles of body.

The 30-horsepower Overlands sell for $1,250—110-inch wheel bases. Fore door or open fronts—torpedos or touring cars.

The 35-horsepower Overlands, with 118-inch wheel bases, sell for $1,600 and $1,675. All prices include gas lamps and magneto.

You can easily prove that there is no other way to get nearly so much for your money.

Send us this coupon and we will mail you our 1911 Book free. It shows all the designs and gives all specifications. It gives all of the latest motor car ideas. We will direct you also to the nearest dealer showing the Overland cars.

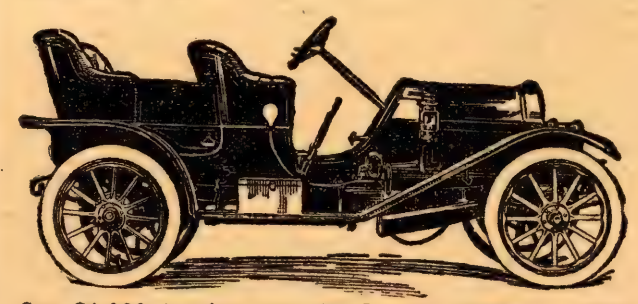
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The Willys-Overland Company
(Licensed under Selden patent.)
Toledo, Ohio

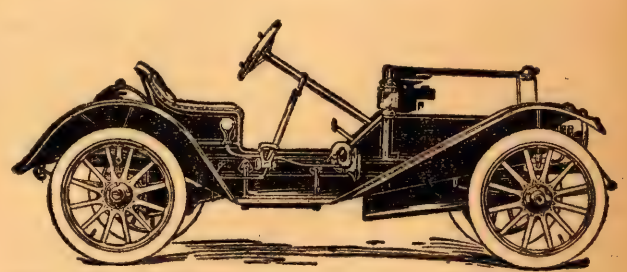
Please mail the 1911 book to

.....

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Our $1,000 touring car—25 h. p.—102-inch wheel base. Five styles of body. The tonneau shown above is detachable, allowing room for milk cans or farm truck.



The $775 Overland Roadster—four-cylinder—20 h. p.—96-inch wheel base. We also make three styles of Torpedo Roadsters—one as low as $850.

(122) All prices include gas lamps and magneto.

30 Days Free Trial-I Pay t

Read Below what a Few Owners of Thiery Pianos have to Say

J. D. NELSON, of Oskaloosa, Ia., writes to me and says—"After receiving your piano and testing it, I can truthfully say that we are more than pleased with it. Your instrument is better than we expected it to be for that price and I am willing to testify about its good quality. It is the finest piano at the price ever sent to this city. You can use my letter in any way you see fit and I will answer any letters your customers write to me asking me about your pianos."

Mrs. HENRY STEPHAN, of Sanborn, No. Dak., writes—"I enclose draft in full for the beautiful Thiery Piano which you shipped to me. I never thought of sending it back to you from the day that I received it because I do not think we could get one any where else at any where near that price that could compare with it. It is most certainly the leader of high-grade pianos in this community and I have no doubt that you will sell many more here."

Mrs. JOHN HARRIS, Route 1, Seaton, Illinois, writes me and says—"Nearly everybody in this neighborhood has a piano but I think I have the best of them all. I gave $315.00 for the other piano which I had but I would not give this piano, which you sent me, for two like the other one. My neighbors who have visited me are all surprised when they learn that I did not pay any where near $500.00 for your piano and they have all asked for your name and address so they can send for your catalog. I am more than pleased with this instrument in every way. One of my best friends who has a $450.00 piano was here the other day and she said she wishes she could sell her piano and get one of you."



Mrs. C. W. WRIGHT, Mahnomen, Minnesota, writes me—"Evidently you think I want the entire thirty days' free trial on the piano but this is not so. I was perfectly satisfied and thought it was the finest piano the moment it came to my home and I do not know how I could part with it. Everyone that sees it and finds out the price of it are astonished at the value and they sit right down and play it over and over again. The drayman that moved the piano to my home, said it was the finest piano he had ever moved here in this city since he had been delivering pianos. Some of my friends have $450.00 pianos but I would not exchange mine with any one of them."

Miss EDITH LE VANDER, Route 2, Weiser, Idaho, writes me and says—"We received the piano all O. K. and are very proud of it. I want to say that you do not do your pianos justice as they are many times better than you claim and I really believe our neighbors are as proud of it as we are. Of all the pianos that there are in this section, I would not give my Thiery Piano up for two of any other make as the tone is perfect and the cabinet is as beautiful as can be. If there is any one in this vicinity who is thinking of buying a piano, I will not forget to send you their name and address."

WILLIAM A. BLAIR, Route 2, Chestnut Mound, Tennessee, writes me—"Enclosed herewith is my first payment on the Thiery Piano which I ordered from you. The thirty days trial is not up for two weeks yet, but I am sending the money to you today because I do not need to test the piano any longer, as I am fully convinced of the quality of the instrument. To say that I am well pleased with this piano, is saying but little. I wish you much success in selling them."

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J. B. THIERY, The Pian MILWAUKEE, W

This small illustration shows Thiery Piano Style 40—Art Upright—the most beautiful Upright Piano that money and skilled labor can produce

MIXING CONCRETE ON THE FARM

On account of its cheapness, uniformity, and quick development of strength, the only cement practically used at present is the kind called "Portland." There is almost as many brands of Portland cement as there are of wheat flour.

Cement takes water so easily that care must be exercised in storing it. Upon the regular floor of a good building place timbers close together, as a support for a false floor, upon which the cement should be piled.

Do not overload the floor by piling it too high. Do not store it against the side walls. Keep it coved with canvas or roofing paper. Cement once wet "sets up" and is unfit for use. However, lumps due to pressure in the store house are easily crumbled and may then be used.

CONCRETE

Concrete is a mixture of Portland cement and particles of stone. The stone should vary in size from pieces one inch in diameter to sand grains. By so grading the stone, the smaller particles fit in the spaces between the larger pieces, thereby producing the most compact and the strongest mixture.

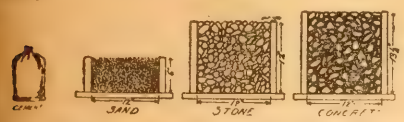


Illustration showing proportion of materials and resulting concrete

The best stone for crushed rock is one which is clean, hard and breaks with sharp angles. Trap, granite, and hard limestone are among the best; the use of shale, slate, and soft limestones and sandstones should be avoided. The crushed rock should be screened on a ¼-inch screen to remove the fine particles. These small particles should be considered as sand; and, if sufficient in quantity to make the proper proportion of the concrete, as is described later, enough sand should be added to them to produce the required amount.

Gravel well graded in sizes is at least equally as good for concrete as crushed stone. Bank-run gravel, just as dug from the pit, seldom runs even and rarely has the right proportion of sand and pebbles for making the best concrete. The mixture most suitable has one part sand to two parts gravel, measured by volume, in

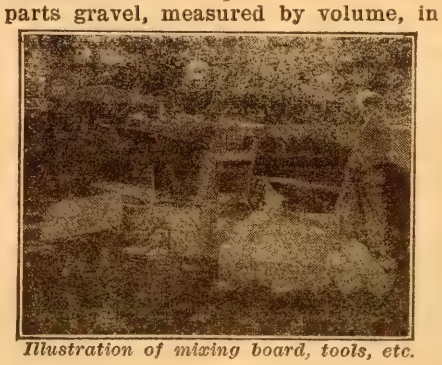


Illustration of mixing board, tools, etc.

which all sizes passing through a 1-inch-mesh screen and retained on a ¼-inch screen are considered gravel, it is both advisable and profitable to screen the material and to remix them in the proper proportions. Gravel should have no rotten stone and should be clean, so that the cement may adhere to it tightly.

With dirty sand, no amount of cement will make strong concrete. Generally sand is clean, but if not, it can easily be washed by playing a hose or flushing water upon thin layers of sand placed on a tight-jointed inclined wooden board. In size of grain it should vary uniformly from fine to coarse. All particles passing a ¼-inch screen may be considered sand.

Any good-tasting drinking water is suitable for concrete.

NO GREAT EXPENSE FOR TOOLS

The tools and equipment for making concrete in moderate quantities are already at hand on a well conducted farm, or will be useful afterwards for other purposes.

The list:

2 square pointed "paddy" shovels, No. 3; 1 round pointed tiling shovel or 1 garden spade; 1 heavy garden rake; 1 sprinkling can or bucket or 1 spray nozzle for hose; 1 water barrel or 1 length of hose; 1 sidewalk tamper or home-made wooden tamper; 1 sand screen made of a section of ¼-inch wire mesh nailed to a wooden frame; 1 measuring box or frame; 1 mixing board; 2 wheelbarrows with steel trays.

PROPER PROPORTION FOR FARM WORK

For farm work the following proportions are most suitable:

For concrete necessarily water proof, 1 part cement, 2 parts sand and 4 parts screened gravel or crushed rock. For all other purposes 1 part cement, 2½ parts sand and and 5 parts screened gravel or crushed rock.

LABOR-SAVING FACTORS IN MIXING

All the materials (slightly more than the computed quantities) should be on hand before beginning the work. They can often be hauled at odd times.

If the gravel does not need screening, place a bottomless frame, on the mixing board and fill it level full with

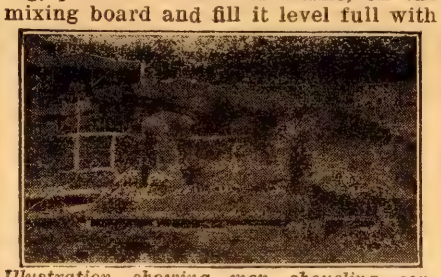


Illustration showing men shoveling concrete

gravel. Lift the frame, spread the gravel slightly with the garden rake, and upon it distribute the cement evenly. Set the frame upon the leveled surface of cement and gravel and again fill it in the same way.



Illustration showing men shoveling and man raking concrete

Remove the frame and spread the entire mass by dragging it back and forth with the rake. Two men, opposite each other, then turn the batch with the square pointed shovels. Again use the rake. Keep turning until the cement no longer shows in streaks, until the mixture has a uniform color. Throw up the ragged edges and, with sprinkling can or hose with spray nozzle, apply water in quantity, according to special di-

(Continued on last column, next page.)

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THE PIANO AND ORGAN MAN

AN AWAKENING IN TIME

Jerry Lawson stepped from the back door and gazed around him with unseeing eyes. The broad, fertile acres of his farm stretched almost as far as eye could reach, and beyond them lay the wood lot, his latest purchase in real estate, for, although counted a rich man Jerry Lawson was "land poor."

A sigh fluttered over his lips as he took a few steps and turned for a deliberate survey of the dingy house which had been his home for so long. His eyes, so suddenly opened by Dr. Slocomb, took in every detail of its dinginess. It was dilapidated and needed paint, but might be made attractive. Abigail had said it would be lovely,—and Abigail, the wife of his youth, was lying in that house, lying from overwork—so the doctor had said!

A bird alighted on the limb of an apple tree and began a merry sing. The man seized a stone and threw it at the songster impatiently. What right had even a bird to be joyous when Abigail—

It could not be—it should not be! In their forty years of married life Abigail had never failed him, she would not leave him alone now! Then his gaze wandered over the broad acres again, and he almost hated them for their bountiful promise. What good was their harvest when Abigail was dying?

The helpfulness and hopefulness of the human race surged through his brain, as he fell upon his knees on that door-step and breathed a fervent petition to the Guider of mankind.

"Oh, God, dear God!" he whispered tremulously. "Let this evil pass from me. I have been a selfish man, oh, Lord, but I will do better. Spare her dear life and I will remember the poor and afflicted. Give her back to me and I will love and cherish her. She shall have the new top buggy, the silk dress and the real otsrich plume for her hat. Yea, she shall have forty of them if she can use them. Oh, Lord, hear me. I know that I have not used her right, I have thought too much of laying up wealth which is dross, Lord, in thy sight, and I have refused to get her what her woman's heart was set on because I wanted my own way. But I will do better. Spare her life, Lord, and I will put a pump in the kitchen this very week. Amen."

"I'll go right about it, too!" he exclaimed aloud as he rose from his knees, and his first look was towards the old sweep well. It was some distance from the kitchen door and Abigail had lugged water up that hill for forty years without complaining! And the path to the well had not been her only uphill road either!

"I was looking for you, Mr. Lawson," said Dr. Slocomb, coming around the corner of the house at that moment. "Here is a prescription, you had better ride to the village yourself to have it filled, then call at my office for the nurse—I will see that she is ready. Your wife requires the best of care and pleasant surroundings. Give her something to be glad about and she may get well."

"She shall have it doctor! Lord, she shall have everything she ever wanted if I can get it for her!" ejaculated the man, renewing his vow to the Lord as he answered the doctor.

"Then work lively if you really want to save her," cautioned the doctor sharply, as he moved away.

"Yes, Lord," answered Jerry meekly, then he hurried to the barn for the horse.

A nurse had no sooner taken the place of the kind neighbor at the sick woman's side than he rushed away in the opposite direction to return with Nancy Ham, a stout girl for the housework. There was a brief visit to the sick room, then another trip to the village and when he returned this time a shining top buggy was trailing behind the old democrat. But he took it through the field and not by the open bed room window where Abigail lay, too tired and listless to notice. When he entered the house he carried a long white box and a fat brown paper bundle.

"How is she?" he asked the nurse anxiously.

"She is simply tired out, Mr. Lawson," she paused to measure the meal for the gruel she was preparing. "She is too tired to talk but she keeps worrying about the work when she ought to be asleep. Perhaps if you go in and tell her it is getting along all right she will be more easy. She seems to be afraid you will not like something."

"What?—yes, yes, I will. Oh, Lord, I will—help me!" he breathed, then, seizing the box and bundle, he went into the bedroom where his wife lay, her face as white as the pillow against which it rested. Was the nurse right? Was Abigail afraid of him?

"Well, Abby, how d'ye do tonight?" he began awkwardly. "I had a streak of good luck today—sold them bucking steers for twice what they were really worth—and I happened to think that you'd always wanted a silk dress and a real feather. There they be."

He clumsily took the cover from the box to show the long, curling ostrich feather, and shook the shining folds of glistening silk out over the bed, in a triumphant, expectant way. Abigail gave one incredulous startled look into his face, then laid her hand caressingly upon the silken folds.

"You bought them for me, Jerry? Thank you so much," she whispered, then tears rolled down her white cheeks and she murmured piteously: "If I'd only had 'em when I could wear 'em—but you'll bury 'em with me, Jerry, you'll bury 'em with me? And to think you got 'em for me at last!"

"But that ain't all, Abby!" he cried breathlessly. "There's a new top buggy with bicycle wheels, and a bran new harness with silver buckles on it in the barn this minute They're for you, Abby, they're for you! And Smith is going to begin to-morrow morning on putting the water into the house. And Nancy says she'd be glad of a home with you as long as you want her. She is a clipper to work. Nancy is, and everything is all right."

He paused to note the effect of his words, but Abigail lay still and white, her hand still on the shining silk. The realization of her wishes was too much for her weak nerves.

Days of anxious waiting and watching followed. More than once Jerry Lawson knelt on the fragrant haymow, his head bowed in anguish and pleaded with One who seemed deaf to his entreaties. The constant prayer in his heart found voice at all times and in all places. Then the clouds of despair parted and the blessed sunshine of hope shown upon the farmhouse and its inmates. Recovery was slow but certain, and there came a day when Abigail could sit up in her easy chair and asked to be drawn to the sunny porch.

"Yes, it is all ready for you, and we'll go through the kitchen so's you can see the new pump. Don't you call that a dandy?" asked Jerry with poorly concealed excitement, as he drew the chair along gently, placing her on the porch with a look of pleased expectancy. Abigail Lawson looked around as one in a dream. The old, tumbledown fence was gone, and a neat lawn, upon which a velvety growth was just showing, sloped to the roadside.

"You'll want posies, I s'pose, but I thought you'd like to pick 'em yourself," Jerry remarked carelessly. "See anything else?"

Abigail's eyes returned to the house, then met her husband's inquiring look with misty thanks. The house wore a shining coat of paint and blinds adorned the windows, while a neat gravel walk led up to the door.

"I-I done all I could, Abby," he stammered, and some way his arm got around her waist, and her head rested lovingly against his shoulder. "When you get strong enough to boss inside of the house we'll begin on that, and we'll have a home, d'ye hear that, my girl, it's something we never have had, though you've done your part towards it, bless you! We're going to take comfort for the rest of our days."

"But the cost, Jerry, the cost!" she protested.

"Bother the cost!" he laughed. "I've sold Brown the north meadow. I've come to a realizing sense that 'a good wife is above rubies' and I want to keep mine. And—and—I've made a vow unto the Lord, Abigail. Tell me now—I want the truth—you're not—are you afraid of me, Abby?"

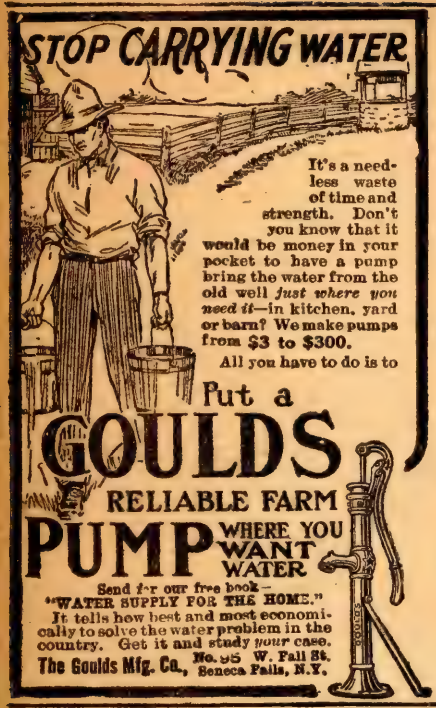
She did not answer—in words. She laid her cheek against his trembling hand for a moment, softly, caressingly, then drew his head down and kissed him. But Jerry Lawson understood and was content.—

MIXING CONCRETE ON THE FARM

(Concluded from page 12.)

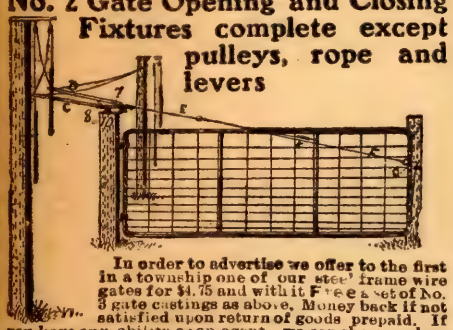
rections given later for each particular kind of construction. Turn again and add so much water as may be required. If dry streaks are still evident, continue the turning until they disappear. With wheelbarrows quickly remove the concrete and immediately use it in the work.

If crushed rocks or screened gravel are to be used, fill the bottomless frame with sand and distribute the cement upon it. Drag the materials back and fourth with the garden rake, then turn, as described above, until the mass has a uniform color. Spread and add rock or gravel. Wet the mass and turn as for bank-run gravel until each stone is coated with cement mortar. Remove as for the gravel concrete.



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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

To All Readers of the Garden Department

You are perhaps aware—and perhaps not—that the experiments of the different experiment stations have shown that the best time of the year to spray fruit and other trees, which may be affected with scale and some other injurious insects, is in the fall. The issue of this DEPARTMENT for Nov. 15 will be **the annual fall spraying number.** Everyone should read it. Have you a careless neighbor who has not been spraying his trees? Have the birds been carrying his insects to your trees and polluting them? If so, you can **convert him to right ways of action by taking his subscription to this paper for 30c for a year, send it now so that he will be sure to read the Annual Fall Spraying Number and those which follow.**

A little missionary work among such will soon rid the trees of scale and disease. **Get the subscriptions today, only 30c a year**

Sincerely,
SAMUEL ARMSTRONG HAMILTON, Garden Editor.

LOCATING A NEW ORCHARD

As there are always some of my readers who are about determined at this season of the year to embark in the fruit growing business, I deem it wise to give them the benefit of what experience in the past has taught best as to the proper location of an orchard.

There is no question but that many persons fail in the business of fruit-growing, as well as in that of other farm production, on account of improper location. There seems to be in the minds of some people the idea that all that is needed to start in the business of fruit-growing is a piece of ground of sufficient size and fertility. A greater mistake was never made and only failure will follow the one who takes no account of the many other sides of the question.

There is a geography in the fruit-growing business, as there is in most businesses. It is the truth that fruit does better in some sections than in others, and the business is not capable of equal development in all sections, and one of the chief factors in determining a location, as far as geography is concerned, is climate. Climate is, indeed, a most important factor, and it is not counted as much as it should be by those who embark in the growing of fruit, especially apples.

There are in this country three great fruit-growing zones, those of the apple, orange, and cocoanut, although there is no exact line of demarkation between them. However, there are certain sections in which none will grow to perfection, but no section in which all will do equally well.

We have in this article to do exclusively with the apple, the great economic fruit of the temperate zone. We find the apple zone divided into sections, each of which is indicated by the perfection of certain varieties, which reach therein their best development.

Of the great apple section, omitting the Pacific coast section, there is the "Middle-west-Mississippi Valley," composed of the states of Kentucky, Indiana, Ohio, Kansas, Arkansas, Missouri, and Illinois, of which the characteristic apple is the **Ben Davis,** although there is good successes with Jonathan, Grime's Golden, Willow, and York Imperial.

The "Lake section" lies along the eastern shores of the great lakes, and comprises the states of New York, and Michigan, and the southern portion of Ontario. This is the home of the celebrated **Baldwin,** the first and foremost shipping apple of the East, while the Northern Spy, and Greening, vie with it for popularity and quality.

The great central or "Appalachian" section lies along that back-bone of the continent, and is comprised in the states of Pennsylvania, West Virginia, Virginia, North Carolina, and Tennessee; in which the **York Imperial** is the type, with Winesap, Mammoth Black Twig, and Ben Davis, following closely in favor for shipping fruit.

Water Supply For the Orchard.

This is one of the vital questions which the fruit grower who is locating a new orchard must face. It cannot be avoided, as the day is past when the question is asked: "Must we spray our fruit?" We must! Let that sink into the depth! And we must have water with which to do it, and plenty of it, and it must be convenient, as by it we carry the insecticides and fungucides to the trees, and plant food to the roots. The locator of a new orchard should not fail to take into consideration the fact that the demands on the water supply will increase with the passing years, as the orchard gets older. The supply must not only be adequate now, but it must be such as will meet all the demands of the future.

When the trees are young a few hundred gallons of water will furnish the medium for spraying a large number of trees, but in twenty-five years, they will require more applications, and in generally increased quantities. This matter of water supply should have careful consideration when having in view the establishment of a large orchard on a hill-side, or at a distance from a natural supply, as the hauling will become an expensive factor to eat into the profits.

The water supply, if from wells, should be connected with a good gasoline engine or wind pump, and there should be ample tank capacity for storage, situated high enough above the orchard so that there will be considerable pressure. If the supply of water is not bountiful, it will be well to have duplicate reservoirs or tanks, so that one can be used from while the other is filling.

The most common mistake made in all farm water supplies is in laying too small a main pipe. Rarely do we see it larger than two inches, while none should be less than four, in order to have sufficient pipe-storage, and to lessen the friction, which is something unappreciated by the one who has had

BEAUTIFY YOUR HOME



BULBS FOR WINTER AND SPRING BLOOMING

People who have planted Fall bulbs for blooming in the house in the winter or in open ground in the spring know how easy they are to grow and that they are certain to bloom.

They are as easy to grow as potatoes and no insects bother them.

We have prepared the following collections for our readers. Our aim was to offer the greatest variety and best quality possible for a small sum of money. People who want to make their own selections should send for our price list.

COLLECTION NO. 1.
Costs only 25c Postpaid.
1 Dutch Hyacinth Single Dark Blue.
1 Roman Hyacinth Single Pure White.
1 Narcissus (Van Sion) Yellow, very fine.
2 Tulips, Single Yellow.
2 Tulips, Double Pink.
5 Crocus Yellow and Blue.
This fine collection of 12 bulbs only 25c.

COLLECTION NO. 2.
Cost only 35c Postpaid.
3 Tulips, Single or Double Yellow, White and Red.
1 Hyacinth, Single Light Blue, Dark Blue or Red.
3 Narcissus, Poeticus, Pure White, with beautiful cup, suffused with bright orange red.
1 Chinese Sacred Lily.
4 Freesia's Refracter Alba Pure White.
6 Crocus, Yellow, White or Blue.
This fine collection of 18 bulbs only 35c.

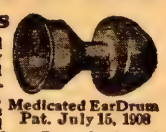
COLLECTION NO. 3.
Cost only 60c Postpaid.
3 Dutch Hyacinths, 1 each, Light Blue or Dark Blue, Rose and Red.
3 Roman Hyacinth, Pure White.
6 Freesia's Refracta Alba Pure White.
3 Narcissus White and Double Nose Yellow.
6 Tulips, Double White, Yellow and Red.
6 Crocus, Red, Yellow and White.
4 Scilla, Siberica, Rich Blue.
5 Spanish Iris, Light Blue, White, Yellow and Purple.
This fine collection of 36 bulbs only 60c.
Full instructions how to grow these bulbs successfully with each collection.
Send orders to

O. K. SEED STORE, Dept. A, Indianapoli, Ind.

I Was Deaf 25 Years

Now I Hear Whispers





with this artificial EAR-DRUM in my ears. I never feel them—they are perfectly comfortable, and no one sees them. I will tell you the true story, how I got deaf, and how I made myself hear.

Medicated EarDrum Pat. July 15, 1908

ARTIFICIAL EAR DRUM COMPANY
Address, GEO. P. WAY, Manager
99 Auelaide Street, Detroit, Mich.
G. P. WAY.

New Rupture Cure

Don't Wear A Truss



Brooks' Appliance. New discovery. Wonderful No obnoxious springs or pads. Automatic Air Cushions.

Binds and draws the broken parts together as you would a broken limb.

No salves. No lymphol. No lies. Durable, cheap. Sent on trial. Pat. Sept. 10, '01.

CATALOGUE FREE

C. E. BROOKS, 3195 Brooks Building, Marshall, Mich.

DON'T FAIL TO MENTION "UP-TO-DATE FARMING when writing our advertisers

INTELLIGENT SPRAYING

The Rural New-Yorker stated editorially, Sept. 19th, 1908:—"The Rural Grounds now appear to be free from scale for the first time in 12 years. * * * It has been a long fight, excessively discouraging until the soluble oils came to the rescue three years ago. The prospect brightened at the first trial of these handy preparations, and repeated use seems to have resulted in victory." Spraying was omitted this year.

"SCALECIDE"

alone did more in three years than Lime-Sulphur and other "dopes" did in nine. Are you still in the Lime-Sulphur ranks?
PRICES:—In barrels and half barrels, 50c. per gallon; 10 gallon cans, $6.00; 5 gallon cans, $3.25; 1 gallon cans, $1.00.
Send for Booklet, "Orchard Insurance."

If you want cheap oils, our "CARBOLEINE" at 30c. per gallon is the equal of anything else.
B. G. PRATT CO., MFG. CHEMISTS, 50 CHURCH ST., NEW YORK CITY.

no experience with it in damaging pumps and fittings.

The best located orchard as to its water supply is one near natural springs, high enough up so that they can be dammed into a small reservoir, and the water fall by gravity through the mains to the orchard, where it is distributed by lateral pipes.

The spray-mixing tanks should also be located so that there will be a natural fall from the head of the water supply into them. This greatly cheapens the spraying.

If the location is otherwise good, and the water supply must come from a stream near by, the objection can be overcome by using several powerful hydraulic rams to pump the water into tanks or a reservoir, but they pump slowly, and a good amount of storage will be required.

The Matter of Shipping Facilities.

This is a grave matter for consideration. When seeking a location for a new orchard; it must, under present economic conditions, be so located as to have easy and near access to good shipping facilities. It is very expensive to have to haul fruit long distances to a shipping point, as well as injurious to the fruit. A long haul over bad roads has spoiled many a car of otherwise good apples, by their reaching the market in bad condition. **The less they are handled, and the less they are hauled, before reaching the consumer, the better for the fruit business.**

Also the Market.

This question is studied in connection with that of transportation. There should be a good home market which will take all the "seconds" at a good price, as well as one which absorb some of the "fancy" stock; but, above all, we must be of easy access to the great markets of the world by quick and cheap transportation, otherwise all our plans will be for naught.

The Site and Soil.

When considering the matter of a site for an orchard there are a number of important things which have to be considered. First—Does the soil suit the varieties which will have to be grown for the market in which you have chosen to place your fruit? This is very important, and the fruit grower who overlooks it invites disaster from the start. The soil is a mine from which your fruit comes. Would you expect gold from a clay bank? Not if you are sane, neither should you expect to grow **Ben Davis** apples on soil adapted only to **Baldwins**, and their kind.

It has been proven that certain varieties do best in certain kinds of soil, and on such soils only should such varieties be grown. As the soil varies greatly in different portions of the great apple zones, the best plan is to examine the nearest orchard and see which varieties, among those approved for that section, have done the best in the past, and this may be taken as an earnest for the future.

Character of Soil.

In refering to soils, I mean the character of the soil, not its fertility, such as those which are classed as clay, clay-loam, limestone-loam, gravelly-loam, black-heart, and others. **The matter of fertility is purely academic.** Any soil can be made fertile by the addition of any lacking plant-food ingredients, but, at the same time, it may not be adapted to a particular apple.

The matter of soil-location has had too little attention in the past. We see large orchards of Baldwins planted where Ben Davis would do better, and Ben Davis where Northern Spy would produce better results. In the matter of latitude there must also be caution, as the warm loose soils of the south-Appalachian-chain ripens some of our finest northern winter apples too early and their availability as shipping fruit is destroyed.

The Proper Altitude.

In the location of a commercial orchard the matter of altitude, east of the Mississippi must have thought. Some of the varieties which do best at the South end of the apple sections must be placed low down when grown at the North, while those which are grown in the North must be planted high up when grown in the South. It is a generally agreed proposition that an apple orchard does best on a slope, well up from any valleys in which there could be formed pockets of cold air to cause late freezing and consequent uncertainty of crops.

What to Remember.

In conclusion, when hunting out a location for a commercial apple orchard, keep in mind; first, the market for which you will grow, then the apple which it will take at best prices. This being done, consider the section in which the apple will do the best, and in that section select a site with the soil best adapted to growing it, with a good water supply, and with sufficient altitude to give air-drainage.

THE FLOWER GARDEN

The flower garden needs some attention at this time of the year. All the rubbish should be cleared off of it and burned so as to destroy all the eggs and cocoons of insects and the seeds of as many weeds as possible. The stalks of hardy flowers such as the giant-daisy, phlox, and similar ones should be cut off about two inches above the crowns, and a mulch of strawey manure put on as soon as the ground freezes solid.

It has been proven by experience that greater success will be had with flowers if the soil is ridged and aerated during the winter, than if it is allowed to lie hard and flat. The reason for this is that the soil will absorb nitrogen during the winter in a form immediately available for the plants next summer. It also adds to the mechanical quality of the soil, which is rarely as good, in the flower beds and borders as in the vegetable garden, as in the latter the soil gets worked of necessity, oftener and better.

If it is desired to set out any new trees, shrubs or hardy flowers this fall, do it any time before the soil gets too hard to work, but let the planting be thorough, and the crown of the tree or shrub be protected by hilling around it.

Do not forget the next annual fall spraying number which will be out Nov. 15. **Interest your friends who are not subscribers.** The paper is only 25c a year. **The next issue will be worth more than that.**

There is no paper published that so appeals to the young folks on the farm as the Youth's Companion, full of interesting and delightful stories, inspiring and helpful articles, amusing anecdotes and instructive editorials, it makes a magazine that no American home should be without. They are making a handsome offer on another page of this issue. Read it, and you will make no mistake by sending for this paper for one year.

PLAN FOR ORCHESTRA IN EVERY COMMUNITY

The music house of Lyon & Healey, B3657 Adams St., Chicago, has started a movement to establish in every community an amateur orchestra, equipped with highgrade instruments. The plan is to arrange that the instruments pay for themselves, thus relieving the individual members from any obligation.

A booklet which outlines the plan, has been published by Lyon & Healy and it will be sent free to anyone interested.

Every hunter, fur trapper, fisherman, prospector, or camper should have a copy of "Camp and Trail" published by A. R. Harding Pub. Co., Box 239, Columbus, O. Sample copy will be sent for 5c, and in addition a most valuable 64-page booklet containing the 1911 game laws will be sent free. Write today; you can't get more anywhere for a nickel.

To Introduce Our Big New Wonder Telescope Only $1.00



This is a special advertising offer made to introduce our new "Wonder" telescope into every home. Every home should have a good telescope. Every man, woman and child will get pleasure and profit from one of these big telescopes. Heretofore telescopes of this size have sold for $5 to$8. This is an opportunity that seldom comes to get a really first class guaranteed instrument for a mere trifle of cost. Just think only $1.00.


A Kansas Farmer Counting Stock Twenty Miles Away

Positively such a good telescope never sold for this price before. These telescopes are made by one of the largest manufacturers of Europe. **It measures closed 12 inches and opens out 3½ feet long,** in five sections, circumference 6 inches. They are brass-bound, brass safety cap on each end to exclude the dust, etc., with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. Every sojourner in the country or at a seaside resort should certainly secure one of these instruments, and no farmer should be without one. Objects miles away are brought to view with astonishing clearness.

The "Wonder" Telescope can also be used as a microscope. Complete instructions on the use and care of telescopes with each order. Anyone can use it. Nothing more interesting. Barrels of fun entertaining your friends day or night. See the stars and moon. Study objects at a distance. Each instrument guaranteed to please or your money will be refunded.

Don't take our word for it. Read the unsolicited testimonials. Write these people if you want to. Thousands have been sold and thousands are surprised and delighted.

I wish all to know how satisfactory the "Wonder" Telescope is. Our farm is on the highest point in the surrounding country. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles, count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope.—F. G. Patton, Arkansas City, Kan.

Received telescope last Friday. It is a dandy and I am well pleased with it. I can easily see 10 miles with it.—W. E. Dickerson, Jr., Chatham, Mass.

I received the telescope alright. It is just as you advertised.—George H. Burton, Waterville, N. Y.

I received the telescope sent me and thank you ever so much. I was very much pleased with it.—M. Mannel Gabriel, Paanilo, Hawaii.

Enclosed find remittance for two more telescopes. These are for two different parties. I showed them mine and tney were so taken with it that they wanted one. I am well pleased with it.—J. F. Powell, McCune, Kans.

My neighbors are worrying me to death to get one like it.—Jas. W. Raines, Sedalia, Mo.

Looked at Price Mountain which is 20 miles from here and could see birds flying around it. My friends want to buy.—Merrill Ellis, Griffin, Ga.

It is far beyond expectations and exactly as you represented. I made light of your ad at first but am glad now I sent for telescope. I wouldn't take $5.00 for it if I couldn't get another—O. G. Folk, Elk Lick, Pa.

It certainly is the greatest magnifier I ever saw for $1.00. Live two miles from the city and can almost read the time on the church clock. Have some young cattle in pasture ½ mile away and now can save many a walk over there.—Andrew N. Verhalen, Burlington, Wis.

I am well pleased with my telescope. It is really finer than I expected.—Bruce H. Beem, Spencer, Ind.

It is a dandy and all you claimed for it.—Carl A. Erickson, Arpin, Wis.

I am thoroughly satisfied with the telescope. I am proud to own it.—Arthur Prange, Lunridge, Wis.

I think it is wonderful value for the price.—C. W. Nelson, New Denver, B. C.

I can say every time it is worth $10.00 to me. I can see cattle at 15 miles and can see a nickel at 600 yards.—Tervis S. Sepeda, Morgan Hill, Calif.

It is certainly a wonder. I am very much pleased.—Victor Parochini, Oakley, Calif.

Worth more than I paid.—Earl Sheaffer, New Bloomfield, Pa.

I did not expect to get one like it. My friends are pleased.—Michael Wessman, Jr., Blue Island, Ill.

Worth the money I paid and more.—Otto Louneborne, Hettick, Ill.

Telescope finest thing I ever had.—Chester Hansen, Meriden, Ga.

Thoroughly satisfied. I could not miss it now.—Arthur Prange, Tuneridge, Wis.

It is just what you recommended it to be.—Chas. W. Bloom, Olanta, Pa.

No matter what you think about the price, you will be surprised with the "Wonder" Telescope; everybody is. Guaranteed to please you or your money back. You are the judge. Send today and be first in your neighborhood. We have a money making proposition for you besides. You can make $30 a week selling them. You can't invest $1.00 better. This paper guarantees its advertisers; over 5,000 of its readers already have a "Wonder" Telescope. We want to introduce it to 5,000 more.

For Christmas Nothing better for the boys and girls or for grown-ups for a Christmas present. Don't put it off until the last minute. Order now—while it is on your mind. Best $1.00 present in the world.

Price The most wonderful part of our offer is the price of the "Wonder" Telescope. Now only $1.00 each. Send 10c extra for ordinary postage, or 20c extra for insured mail and we guarantee safe delivery. Don't put it off. Order now.

PEOPLES WHOLESALE STORE. Dept. E, INDIANAPOLIS, IND.

SIGN, CUT OUT AND MAIL COUPON TODAY.
This offer may not appear again—send your order today.

PEOPLES WHOLESALE STORE,
Dept. E, Indianapolis, Ind.

Enclosed find $..... for which send me one "Wonder" Telescope as per your advertisement. If not satisfactory I will return the telescope and you agree to refund the money sent.

Name .....

Address .....

Heal Babies' Tender Skin



That cruel, burning inflammation which gives such misery is cooled and soothed by a touch from fingers dipped in Heiskell's Ointment. Perhaps the trouble is eczema?

Heiskell's Ointment

will heal it just as effectually as it does less serious skin troubles, like blackheads, pimples, rash, sunburn and freckles. Heiskell's Ointment cures ALL skin diseases and Heiskell's Medicinal Toilet Soap keeps the skin clear and healthy.

All druggists sell Heiskell's preparations.
Write for our new booklet, "Health and Beauty."
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You Save $18.00 to $22.00 on
Hoosier Ranges and Heaters
Why not buy the best when you can buy them at such low, unheard-of Factory Prices. Hoosier Stoves and Ranges are delivered for you to use in your own home 30 days free before you buy. A written guarantee with each stove backed by a Million Dollars. Our new 1911 improvements on stoves absolutely surpass anything ever produced. **Send postal today for free catalog.**
HOOSIER STOVE FACTORY
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$100 Monthly and expenses to trustworthy men and women to travel and distribute samples; big manufacturer. Steady work. S. Scheffer, Treas. A 213, Chicago, Ill.

This Imported Self-Filling "Wonder" Fountain Pen Free



For several weeks I have searched diligently for a fountain pen which would give uniform satisfaction and I am pleased to announce that in my imported patented self-filling "Wonder" pen I have an article which will be immensely appreciated by all of my friends who avail themselves of my special FREE offer.

Unique and Most Practical

In this "Wonder" pen I am offering something entirely different from the ordinary fountain pen. It requires no filler whatever. All you need to do to fill the fountain is to dip the point in ink, turn the little screw on the bottom to your right until it stops and your pen is ready for use. No waste of ink. No soiled fingers.

Any Ordinary Pen Point Can Be Used

One of the many features of this "Wonder" pen is that you are not confined to the use of any particular pen point. When the original pen shows signs of giving out replace it with any ordinary pen point without affecting the writing value of the "Wonder" Fountain Pen

Can Be Carried In Pocket With Absolute Safety

You need have no fear of soiling your clothing through carrying this pen in your pocket. It is non-leakable and the ink has no chance to get out except when writing. The pen comes to you packed in a neat box with full directions how to use it.

Absolutely Free to Readers of this Advertisement

This pen is free to every reader of this advertisement who will send me 25 cents for a full year's subscription to my handsome monthly magazine, Farm Life—12 dandy numbers running from 36 to 84 pages each issue, printed in colors with beautiful cover printed on heavy stock. Editorial contents unsurpassed. If after you have received the first three numbers you are not convinced that Farm Life fills the bill, tell me and back goes your subscription money. Remember you get a full year's subscription for 25 cents and one of my "Wonder" fountain pens as a token of remembrance. Avail yourself of this offer now. Address,

J. R. WOLTZ, Publisher,
1322 Wabash Ave., Chicago, Ill.

THE HOME OF THE FARM

IN THE HOME

It's not so blue as it used to be
In neighbor Bundy's home;
The boys and girls are wide awake,
And welcome all that come.

The parlor has a brighter look—
Real cozy there and here—
The kitchen 's neater than a pin,
The table shows good cheer.

The girls have got the best of beaux,
And entertain them well;
And sweethearts welcome all the boys:
It's only truth I tell.

The darkness all has left that home,
The sun shines early, late;
It's not a secret, for the light
Came in with UP-TO-DATE.

—*Bard of Equity.*

THE GIRL AND HER WORK

EVERY girl, we suppose, in civilized countries looks ahead to marriage and the occupancy of a home with her husband. This is both natural and proper if not indulged to the exclusion of reasonable effort for the accomplishment of useful things before marriage. In that is the danger of that universal expectation and aspiration. The one idea becomes all absorbent. It fills heart, mind and hope. Nothing else merits attention, and the life before marriage is dwarfed It is neither happy nor elevating. There is neither progress nor advancement. Every thought and aspiration must await the event which shall determine who the man is and what the home is to be like.

Many energies are thus impaired; many opportunities neglected; many deeds of usefulness left undone, and, in fact, many futures beclouded. Ruts are got into that can never be got out of. The period between school days and marriage, whether short or long, is an important one. It is a formative period. What the girl is the wife is very likely to be. If girlhood is only a dream time, wifehood is likely to be a time of waiting and wanting things, but without energy and ambition to acquire them.

The temptation to drift along and wait is strong in almost everybody, and once formed it is hard to break up. Besides, the girlhood period is usually the most active one. It is the time to begin things. Life, married or single, happy or otherwise, has its struggles, and there must be preparation to meet them, and determination and ability to overcome them. The girl cannot too early resolve to do something and be something, and she should immediately set out to accomplish it. If nothing has been done before the eventful day of marriage, it will be all the harder to begin afterwards. The girl that can point to the trophies, to things useful, and honorable deeds well done, will cross the line with greater hope, and better assurance of success and happiness. Great power for good in the world is lost when a girl prefers to drift on in an aimless way, as a writer says, without bending her energies to further some work in her community.

And suppose marriage should never come, as it does fail to come to many honorable girls. What then of the dreamer and drifter.

Walking on the Wall

My wee one walked the narrow wall—
What child but hungers thus to go?—
Her eyes alert lest she might fall
On the rough stones that lay below.
At length she stopped, and this her plea,
As though of care o'er full her cup;
"Please, papa, hold my hand for me
So when I walk I can look up."

All—Father, when we walk the ways
That teem with pitfalls for our feet,
That baby plea of bygone days
Might in our sorest need be meet.
Tired out with watchfulness and care,
With strife for paltry bite and sup,
"Thou hold our hands," we make our prayer,
"That while we walk we may look up."

—*S. W. Gillilan.*

SAVE THE EYES.

WHAT would you take for your eyes? Almost any other part of the body would be given up in preference to the eyes, and yet the eyes are quite the surest to fail. People do not mean to do so, but they do abuse these important organs. This is specially true of young people who cannot realize the changes time brings to everything, and the importance of caring for whatever we would preserve.

Prolonged use of the eyes for near or fine work is injurious. The person may not feel it, and may even ignore a sensation of tiredness in the eyes, and conclude they will be rested after a while. This is particularly dangerous in reading in a dim or fading light. If interested or absorbed in what is being read, the eyes and all else may be forgotten, and an irreparable injury done.

In all cases of unusual use of the eyes, make them the object of first thought and care. Whenever there is the least feeling of fatigue, rest them. Quit for a moment what has tired them. A good way to rest the eyes is to look up from what you are doing, look off into the distance without seeking any special object, close them for a moment frequently, and look around at various objects unconcernedly.

Never be tempted to read or do fine work in a dim light; nor yet in a light too brilliant and glaring, as reading with the glare of the sunshine on the paper. The delicate membranes may thus be injured.

Don't make a practice of keeping late hours. Sleep rests the whole body, and nature requires it. No one can but admire the sweetly closed eyes in sleep, and those delicate organs are getting the rest they must have or suffer.

Keep the eyes clean. How restful to them is a bath in cold water, particularly early in the morning immediately after rising. Such a bath any time during the day when the eyes are tired is helpful.

In short, take care of your eyes. So often are we tempted to say, a little longer won't hurt; but that "little longer" is exactly what does the mischief.

GAVE TWO THINGS

"What are ye bringin' home an empty pail for? Didn't the cow give anything?"

"Yes, sir; she gave a gallon of milk and a kick."

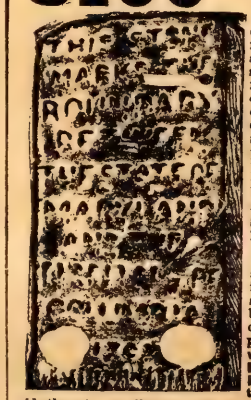


VIOLIN FREE

This is a fine, handsome, clear toned good sized Violin of highly polished beautiful wood, ebony finished pegs, finger board and tail piece, one silver string, three gut strings, long bow of white horse hair, box of resin and FINE SELF INSTRUCTION BOOK. Send us your name and address for 24 packages of BLUINE to sell at 10c a package. When sold return our $2.40 and we will send you this beautiful Violin and outfit just exactly as represented.

BLUINE MFG. CO.,
932 Mill St., Concord Jct., Mass.

$100 PRIZE



A weather beaten old stone marker of which this is a picture was lately found near Washington. See if you are smart enough to tell what it says. **$100** in cash is to be given for correct answers. This is a sample of the many original and instructive competitions the **Pathfinder** conducts. Our contests are not of the silly sort, but are made to interest people of brains, such as would appreciate the **Pathfinder**—which is everywhere called the brightest and best family **weekly** there is. Published at the Nation's Capital; gives gist of world's news and everything you want to know; all in a nutshell; non-partisan, reliable, entertaining—**THE** paper for the home. Send your answer to the puzzle at once, inclosing **25** cents for trial **13 weeks'** subscription and you will call it the best investment of your life. Contest closes Dec. 15, 1910; prizes awarded promptly and fairly. To the person **who correctly deciphers this inscription we will pay $100 in cash.** If there should be more than one correct answer we will divide the prize equally among the tying contestants. You mustn't miss this chance Pathfinder **13** weeks **25c** and **Cash Prize** if reading is correct. Address: **The Pathfinder, Box 28, Washington, D. C.**



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Cleanses and beautifies the hair.
Promotes a luxuriant growth.
Never Fails to Restore Gray Hair to its Youthful Color.
Cures scalp diseases & hair falling.
50c, and $1.00 at Druggists

MUSIC LESSONS FREE
At Your Home. Write today for our booklet. It tells how to learn to play Piano, Organ, Violin, Mandolin, Guitar, Banjo, etc., Beginners or advanced pupils.
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Complete Business and Shorthand Courses by mail, preparing for best positions; only $20 tuition, including first set of books. Write now to
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These 4 RINGS FREE
Write for 12 pieces of our goods to sell at 10c. each. Remit $1.20 when sold and we will send *free* these 4 genuine gold plated rings guaranteed to give satisfaction. **Friend Soap Co., Dept. 568 Boston, Mass.**

20 Beautiful Post Cards 10c
No Two Alike — Latest Designs
Lovely assortment of 20 Artistic Birthday, Friendship, Good Luck, Roses and Flowers in exquisite colors, all for only 10cts. if you answer this ad immediately.
J. H. Seymour, 234 W. Eighth St., Topeka, Kan

Christmas Post Cards Free
Send me two 2c stamps and I'll send you 10 beautiful Christmas Cards and tell you about my big SURPRISE.
E. T. MEREDITH, 152 Success Bldg., Des Moines, Iowa



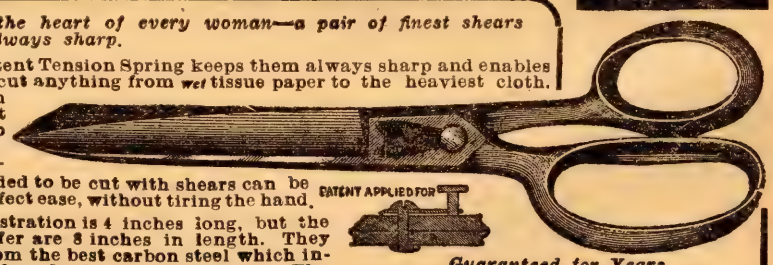
TEST AN IMPERIAL 30 DAYS IN YOUR OWN HOME AT OUR RISK

Has **EXCLUSIVE FEATURES** not on any other range such as:
Odor Hood—Carries all steam and odors from cooking to chimney.
Ash Sifter—Permits sifting ashes right in range. No dust.
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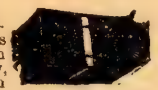


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Taking up the Cadet letters for this issue, my first duty, and it is a pleasant one, is to welcome a new Cadet from Canada.

DEAD CADETS: I am a girl 14 years old, with auburn hair and brown eyes, am 5 feet 5 inches high, and weigh 103 pounds. I live in Drew, Ontario. Drew is a small place with a post office, two brick-yards, two tile yards, a school, a Methodist church, and quite a number of farm ohuses. There are 100 acres in our farm, and we keep horses, cattle, pigs, hens, and geese. Our principal crops are hay, wheat, oats, barley, peas and buckwheat. Our nearest town is Harriston. It is four miles from here. My sister takes Up-to-Date and we like it fine. I like to read the Cadet letters, though I do not see any from around here. My birthday is December 17, and I would be pleased if the Cadets would send me a postal shower.—Myrtle L. Grice, Drew, Ontario.

DEAR CADETS: Would you like to hear from a Japanese boy who lives in California? I came to America with my parents 6 years ago when I was 9 years old, and I am going to school here now. There are four teachers and 90 pupils in our school. My papa owns a 40-acre apple orchard, that produces best fruit, and on which we live. We also have 6 horses, 3 cows, 40 chickens, 5 pigs and a dog. I would be glad to exchange post cards and thoughts with any Cadet.—George M. Kimron, Watsonville, Cal.

DEAR CADETS: I am a Michigan girl 11 years of age. I have dark hair and brown eyes, and weigh 70 pounds. I live on a farm of 141 acres, and we have 10 horses, 5 cows, 8 calves, and 115 sheep. We raise wheat, corn, oats, barley, and fruits and vegetables. I have only a few steps to go to school, and I go every day. My teacher is Gertrude White and I like her very well. We have a phonograph and 60 records. My brother takes Up-to-Date, and we are well pleased with the paper. I always like to read the Cadet letters, especially Nellie Tipton's. My birthday is March 10, and I would like to get some cards. All cards will be answered.—Hulda W. Luckhardt, Manchester, Mich.

DEAR CADETS: I am a girl of 11 years. We have 5 horses and 9 cows. I go to school. My sister takes Up-to-Date, and I like to read the letters.—Margaret English, Portersville, Pa.

DEAR CADETS: I am an Oklahoma girl, and reading the Cadet letters makes me want to be a Cadet. We are having some cool weather here now, and a nice rain fell last night (Sept. 25). Perry has a population of about 3,000, and has six churches and two high schools, one for white and the other for colored children. I have 4 brothers and one sister. Three of my brothers are telegraph operators, but the other is a farmer. I would like to correspond with the Cadets.—Edna Olmstead, Perry, Oklahoma.

DEAR CADETS: I am a farmer girl, and I like farm life better than city life; I live on a farm of 160 acres. We take UP-TO-DATE FARMING, and I can hardly wait till the paper comes; but I like the Cadet page better than the rest of the paper. I have 3 brothers and 3 sisters. My oldest sister is 22 years old, and my oldest brother is 23; they both live in North Yakima, Washington. One of my sisters is married, and she has a little baby boy 7 months old, that can crawl. My school will commence November 7, and I have three quarters of a mile to go. Would like to exchange cards. —Goldie Stotts, Perry, Oklahoma.

DEAR CADETS: I live near the central park of Oklahoma. We raise nearly every kind of fruit, such as peaches, pears, apples, plums, cherries, and all kinds of berries and vegetables. We also raise lots of cotton, oats, wheat, corn, and Kaffir corn. But we have not raised any corn this year because of the drowth we had during the summer.—Edith Stotts, Perry, Oklahoma.

DEAR CADETS: I was 12 years old October 14. I live on a 140 acre farm, two miles north of Willisburg. I go to school every day, and my schoolmate is Dovie Scruggs. We have 4 milch cows. I take Up-to-Date and I like it fine. This letter will be a surprise to my folks.—Gertrude Thompson, Willisburg, Kk.

DEAR CADETS: I am 13 years old, and have brown hair and brown eyes; I am nearly 5 feet tall and weigh about 90 pounds. We live on a farm about 4 miles north of Tathan Springs. I have one brother but no sister. I love to go horseback riding with my schoolmate Gertrude Thompson. We own 3 milch cows, 2 head of horses, and 2 mules. My uncle takes Up-to-Date, and I think it is a fine paper. This will be a surprise to my friends.—Dovie Scruggs, Willisburg, Ky.

DEAR CADETS: I was 8 years old October 6. We are having fine weather now. We had a hard rain September 4. We have 2 cows, 2 old pigs and 7 little pigs, and some chickens. I have 2 kittens and a pet chicken. I live in the country, and I like it better than in town. I am going to school now. My teacher is Nomie Schnell, and she is a nice teacher. We had to change books this year.—Zella Klinker, West Salem, Ohio.

DEAR CADETS: Listen to another West Virginia boy. I live 1½ miles from Beverly, which is considered the oldest town in the country. I am 19 years old, 5 feet 7½ inches tall, and weigh 152 pounds. I will expect a card from every one that reads this paper. I don't want a single one to slight me. (Do you know James, that would be more than 150,000 cards?—Ed.) I feel very grateful to Mr. Everitt for the privilege of expressing ourselves in print. I take Up-to-Date, and I think it is the best paper I ever saw. In fact, I would not do without it for many times the price.—James B. Sachs, Mill Creek, W. Va.

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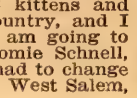
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Skunk, Mink, Raccoon, Opossum, Fox, Muskrat and other furs are **bringing high prices in New York, the best market for you to ship to.** Do you want to know
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Write and ask for my price list—it's free. Highest commercial references. Address Dept. **C 156**
F. N. MONJO, 152 W. 25th St., N. Y.

—FOR—
Wright PRICES GRADES RETURNS
F. G. WRIGHT FUR CO.
45-51 West 25th St., New York City
Price List is Now Ready

HIDES AND FURS WANTED
We make robes and coats from hides and furs. We buy hides and furs the year round. Send for TANNING CATALOG, also FUR PRICE LIST.
Ohsman, Effron & Co., 724 S. 2nd St., Cedar Rapids, Iowa

WE GUARANTEE A SQUARE DEAL
to all who trade here—write our advertisers. See guarantee of advertisers in this issue.

DEAR CADETS: Please admit another girl from the West. I have brown eyes and brown hair, am 5 feet 4 inches tall, and weigh 104 pounds. I finished the 8th grade this year, but I am going through it again. I live on a farm with my mother and father and my youngest brother. My father has 8 acres of hops, 32 acres of grain, and 80 acres of timber. We have lived on this farm 22 years. I have been taking Up-to-Date 4 months, and I like it fine. It will be a surprise to my father and mother when they read this letter.—Iva Hoffman, Newberg, Oregon.

DEAR CADETS: I am a farmer's daughter, and live in the country, which I like better than in the city. My father has taken Up-to-Date 2 years and we think it is a fine farm paper. I think if all farmers would take it and do as it says it would greatly better their condition. I am 18 years old, have dark brown hair and gray eyes, and weigh 110 pounds. I am glad to become a Cadet of Equity, and would also like to exchange cards with the Cadets.—Minta Shamblen, Red House Shoals, W. Va.

DEAR CADETS: My sister has been taking UP-TO-DATE FARMING for over a year. We all read it and think it is a fine paper. I am a girl nearly 16 years old, and I live on a farm one mile from Ravenswood, where I attend the public school. Papa keeps a dairy farm, and has about 30 cows. We raise chickens, and have lots of nice apples. I like living on a farm, because you can have so much fun gathering nuts, horseback riding, and taking strolls over the hills. I would be pleased to correspond with some of the boys and girls near my age.—Julia M. Ball, Ravenswood, W. Va.

DEAR CADETS: I am 12 years old. We have a farm of 160 acres, and take UP-TO-DATE FARMING, which I think is fine. I have one sister and one brother living, and a brother dead. I would like to hear from any of the Cadets, I so like to read their letters.—Mamie Plummer, Waymansville, Ind.

DEAR CADETS: I am a northern girl, 15 years old and 5 feet 3 inches tall. I am a logger's daughter, and live on Hood's Canal, where timber is about the most plentiful on Puget Sound; but the most of the timber is in the mountains. Would the Cadets like to know how the timber is "logged" in the West? I live very near the logging woods, and my father has been logging almost 20 years, which is ever since he came to Washington; but we are going on a farm. We are far away from schcol, and my brother and I have to board away from home to attend. My brother has taken UP-TO-DATE FARMING quite awhile, and I enjoy it very much, but most of all the Cadet page. I would like to exchange post cards with the Cadets.—Mary A. Bolan, Allyn, Washington.

DEAR CADETS: I am 16 years old, have brown hair and blue eyes, am 6 feet 1 inch high, and weigh 175 pounds. I live in the country, near the central part of Oregon, and work on a farm of 465 acres. We raise wheat, barley, oats and rye. With this I send a subscriber to help the boom, and make a Pioneer of Equity. I have taken Up-to-Date ever since the first of last January, and I think it one of the best papers, I take though 17 different ones. I would like to correspond with some of the Cadets.—Robert F. Cooper, Culver, Oregon.

DEAR CADETS: I am a country girl, and live on a farm of 520 acres. I have one sister, but no brother. We go about two miles to school, and drive when the weather is bad. I am 14 years old and in the 8th grade. I think country life is fine. I help my papa cultivate the corn, harrow, disk, rake hay and plant corn. I love to ride horseback, and I have a horse that I can ride or drive at any time. We raise all kinds of grain up here.—Birdie Fanning, Trenton, Mo.

How proud we are of these letters. Note that they come from all over the country, and even from Canada, which is proof that UP-TO-DATE FARMING has appreciative readers everywhere. Now for every one to become a Pioneer of Equity, and in addition to the promotion in a great cause, get the twenty beautiful assorted cards from UP-TO-DATE, in token of the publisher's appreciation of your good work and assurances of your future success.

FULL MARKET VALUE

The average value of many furs is now two, three, four or even five times as much as a few years ago. Hunters and trappers are learning to put their catch in better shape which with the increased population and widening use for furs has all had its effect in advanced values.

Again the buyer who remitted the shipper one-half value or less cannot successfully operate as in years gone by. Trappers and shippers, however, should not get the idea that prices will never be lower, for on some articles such will be the case, and that too in in the near future.

It makes no difference what the market price is those who put up their furs in first class condition will always get more than those who poorly handle their goods. In fact, many skins are graded down owing to improper skinning, fleshing, stretching and curing.

The Right Way to Buy Soda Crackers

—and the *simplest* way. Ask for them by name—and the goodness will take care of itself. Buy

Uneeda Biscuit

Then, no more broken, soggy, stale or exposed soda crackers. Uneeda Biscuit come in individual packages that hold just enough for each soda cracker occasion. *Fresh* when you buy them. *Whole* when you open the package. *Crisp* as you eat them.

A number of five cent packages of Uneeda Biscuit is a wiser purchase than a quantity of ordinary soda crackers in wooden box or paper bag. Never sold in bulk.

NATIONAL BISCUIT COMPANY

Trappers should never catch an animal when in a few days the pelt turns blue for such is never prime and always goes down one grade or more. All trappers should bear this in mind ——there are only so many animals to catch and why not wait until they are prime?—Hunter-Trader-Trapper.

CATCHING WOLVES

As I am a reader of your paper, I will write and let you know that I like it very much. I spend most of my time trapping wolves in the winter, but last winter we had too much snow to trap much. I will give my way of catching them.

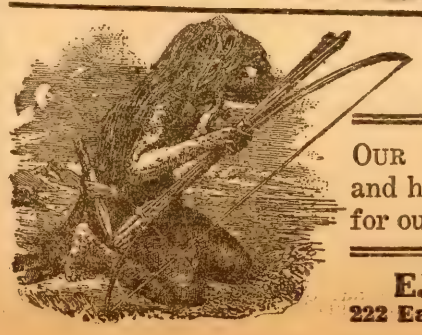
Take a critter, cow, horse or anything that has died and take it to some hill close by and let them eat for a while, then set one trap, no more, about six inches from the critter where they have been eating. Use a piece of paper to cover the trap and if snow is on the ground cover with snow; if not, use dirt. I have better luck setting only one trap, but if you have more bait place them about a mile apart and drag a piece between them, then clean out your hen house and make as many piles on the trail as you like, then set a trap on every pile and you will find out if there are any wolves, as they will keep the trail hot between the two baits. I use No. 3 Newhouse traps.

When you look at your traps go on horseback and don't stay any longer than you have to. Select some place where it is not settled much and you will find they will hang around all winter.

HIGHEST PRICES FOR FURS

I pay highest market prices, pay express charges on all shipments and hold them subject to your acceptance of my valuation, if desired. I charge **no commission** or **extras.** This is only possible because **I personally sort each skin and you can rely absolutely** upon **fair** and **honorable grading. My new interesting booklet explains the Co-operative Plan.** Shows why it pays to ship your furs to me—and **why my plan benefits you.** It will interest you, and I'll send it if you ask for it
Address me personally, VICTOR SLESINGER Treasurer,
CO-OPERATIVE RAW FUR COMPANY
338 Jefferson Avenue Detroit, Michigan

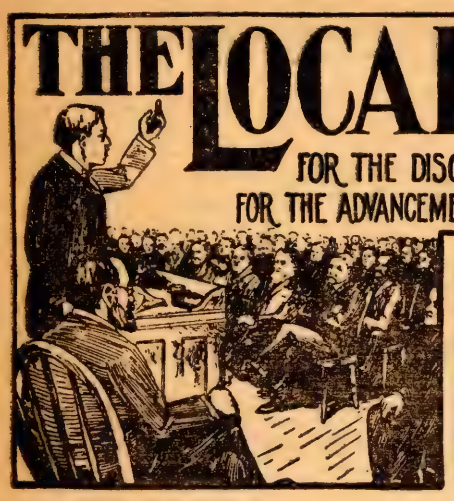
WE SHARE PROFITS WITH YOU



Furs Wanted!

OUR MOTTO:—Fair and square treatment and honest assortment at all times. Write for our price list, ready November 1st.

E. M. EDWARDS FUR CO.
222 East Main St., Madison, Wisconsin



Up-to-Date Farming

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING CO., Inc.
Indianapolis, Ind.

J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

SUBSCRIPTIONS

One year 30 cents, two years 50 cents, five years $1.00. Or two subscribers one year each 50 cents. A club of five, one year each, $1.00. All subscriptions must be paid in advance. The paper will be stopped on expiration, unless renewed. The latest date on the address is the date of expiration. In renewing always send your address cut from the wrapper, *if possible*. When changing post office, or from one person to another, always give the *old* address as well as the *new*. Always write very distinctly, write so the full address can be read, unmistakably, at a glance. If on a rural route write the letters "R. R." Do not give any more in your address than is necessary to insure prompt delivery.

Canadian subscriptions double above rates. This is because of greater postage to that country.

ADVERTISING

RATES will be quoted on application.

Only reliable advertisers are admitted to our columns, and we guarantee that they will deal honestly with subscribers. Should they not, we will make good any loss to paid-in-advance subscribers. It is understood that this guarantee is not binding on the publisher unless you mention UP-TO-DATE FARMING when you write and you report any dissatisfaction within a month of the date of the paper.

Mr. Farmer:

—o—

How much are you offered for your potatoes, for your wheat, for your corn, for your oats, for your cotton, for your apples, for your cabbage, etc?

—o—

When you raise a crop it is not to keep, but to sell. You raise it to exchange for something else that you need—usually for money. Therefore money is the gauge of your success in farming.

—o—

When you plow your land and plant it and cultivate it and harvest the crop it is with the idea of making money. You should not only get back the cost of the crop but a reasonable profit beside.

—o—

To do that there must be a market that will pay a profitable price, and you must know where that market is. This is the great problem for American farmers to solve. Its solution has the most vital bearing on your business success.

—o—

It is often claimed that farmers fail to make the money they ought to on the farm because they are unwilling to buy the most modern machinery, or they will not procure improved varieties of seed, or choice breeds of stock. But it is a fact that often the season of great success in producing, whether because of good machinery, good seed, fine stock or by the favor of Providence in sending a good season, sees the lowest prices and least profit. Boards of trade, produce exchanges, and market manipulators find the ideal conditions to exploit farmers' crops when they are abundant.

—o—

And that will always be the way with those farmers who produce the crops and then dump them on the market to greatly exceed the real demands of consumption. Such farmers make the opportunity for the food trust, the potato trust, the elevator combine, the storage combine, etc.

By that plan the farmer is crushed beneath the weight of the great visible supply he helped to create by dumping.

—o—

And he has no right to complain, because he put the club in the hands of the middlemen to beat his prices down. Farmers are, themselves responsible for low prices, and all the evils of the present marketing system.

—o—

Did you ever stop in your mad race to produce and market crops, to consider that the people who consume your produce do not eat two or three times as much daily when you market two or three times enough to supply the demand of consumption?

—o—

Did you ever think what would become of your crops, dumped in excess of the real demand, if the middlemen did not pick them up and store them against the times of actual need?

—o—

Did you ever try to reason it out if these same middlemen, who you abuse so much, would always pay you as much as you wanted for all you could raise and dump on the market?

—o—

Think about these things. If you will persist in throwing your crops on markets already satisfied you should not blame the middlemen for buying them as cheaply as they can; and the faster you force them on, the lower the prices are bound to be. You cannot deny this and you cannot escape the effect unless you change your methods and remove the cause.

—o—

And you can do that! The mission of UP-TO-DATE FARMING is to help farmers to market their crops at the best prices, or to store them and hold them awaiting the real demand. It is actually making it possible for farmers to do what all successful business men have already done, i. e. control their own products until the demand of consumption needs them—keep them out of the hands of middlemen, speculators, combines and trusts. It is THE EQUITY SYSTEM.

—o—

THE EQUITY SYSTEM gives all subscribers to of UP-TO-DATE FARMING responsible representation on all the great markets of the country. It makes it possible for any producer to sell in the highest market at any time; or if the price is not satisfactory, then many representatives can arrange for storage in their markets, unless the grower can store at home, and market when the advance comes. Also it guarantees against misrepresentation of quality or condition, insures proper grading, avoids many of the old toll gates, secures the highest price in the country and makes prompt and honest returns.

—o—

Thousands of farmers, subscribers to this paper, are marketing by THE EQUITY SYSTEM; or using its reliable market reports to force the local buyer to pay right prices; or holding their crops at home or storing them in central markets to get the advance that comes nineteen years out of twenty.

—o—

These are things that farmers never could do before, because they did not have the system. Every farmer ought to be glad that he lives in these years, the first ones in th history of American agriculture, when he can be largely independent of the boards of trade and produce exchange systems of marketing, and soon will be entirely free from them.

—o—

To illustrate the advantage of The Equity System let us relate what occurred in our office on Thursday, October 20th:

A gentleman living at Hutchinson, Kansas, called at headquarters and incidentally remarked that he had a good crop of fine apples but that there was no market for them at his place and that they would spoil in the orchard. He also said there were many of his neighbors situated the same way and that many thousands of bushels of fall and winter apples would spoil, because of no market.

We at once told him that The EQUITY SYSTEM at Indianapolis could pay $4.40 per barrel for Jonathans and other varieties in proportion. Also that apples were in good demand at splendid prices in many other markets and give him a list of the Equity markets. The result is a market has been found for all the apples in that valley at profitable prices and an urgent demand has been more fully supplied.

—o—

There are thousands of other localities where certain crops are produced in great abundance but the producers, either have no market but the home one, or else depend entirely on the buyers who come in and who often times take advantage of the grower's ignorance of the nation-wide condition, and buy for a song.

—o—

But subscribers to UP-TO-DATE FARMING need not lack information. Its columns are filled with precisely the facts that they need to market intelligently. Also it is constantly giving dependable advice about crops and probable future prices. And more than this, any subscriber who has any produce ready to sell can immediately get the market price from sixty-five of the largest markets in the country, from his own personal representatives, and thus select the highest and best one to sell in.

—o—

Or if the price is not satisfactory, many of these representatives will arrange for storage and put the stuff on the market when the bulge comes. We want farmers to appreciate what this means, because, when the temporary surplusses of the crops are stored, the property of the first owners, the death knell of the food trust will be rung and we will hear no more about the high cost of living as far as food is concerned.

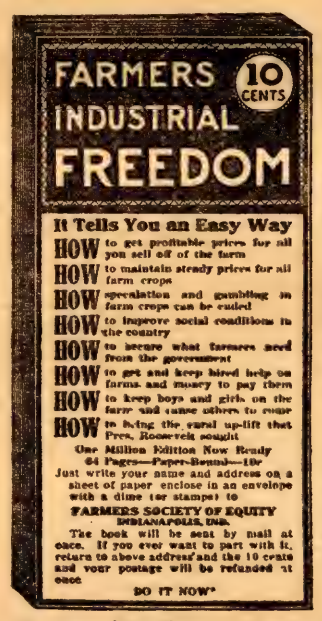
—o—

If you are not marketing through The Equity System prepare to use it for the very next lot of stuff you have. You can get very much assistance from this paper but for complete instructions, the confidential directory of market representatives, the key to its use and valuable helps send the blank below headed, "Market No More Crops the Old Way, The Equity System is Better."

Market no More Crops the Old Way

The Equity System is Better

THE EQUITY SYSTEM OF MARKETING was at first intended to be limited to members of the Farmers Society of Equity. But there are so many crops being dumped on illogical markets, resulting in gluts and low prices, that we have concluded to broaden the scope of the system as much as possible and bring as many crops under its direction as possible.



To this end each subscriber of Up-to-Date Farming or member of the F. S. E. is invited to report to us the crops he will sell in the next 30 days and we will put The Equity System to work on them. In a few days after you mail this blank you will receive the market prices from several markets from which the highest and best one can be selected. This service is now free to SUBSCRIBERS whose time is paid in advance as well as to MEMBERS.

We believe members of the F. S. E. will approve of this step because they are interested in bringing as much of the crops under control as possible, to prevent gluts. Understand, there is nothing in this that urges marketing at low prices. On the contrary we want every farmer to keep the minimum prices in mind and hold for them. But our purpose is to direct the crops, that will or must be sold, to the best markets. Also, farmers who use the Equity System and get more money for their crops and have less trouble in marketing, will become members and spread the Society in their communities.

Therefore, any crops that you expect to market, or ship for storage, in the next 30 days list them below, but no others. Blanks will be printed in future numbers for later marketing.

The only condition we make is that 10 CENTS be sent for a copy of the book "FARMERS INDUSTRIAL FREEDOM" unless you have it already. It has 64 pages and cover. It will give you a complete education on the marketing side of farming which is the more important half of successful agriculture. You have no book big or little, worth as much, yet the cost is only 10 cents. If you want all your crops are worth send the blank below and read this book.

FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.

Name of Crop	Quantity	When Ready	Variety, Class or Grade

This report is from.....P. O.....
Shipping
R. R.....Station..... State.....
Are you a member of F. S. E.....Are you a paid in advance subscriber to Up-to-Date.....

LADIES SOCIETY OF EQUITY

President, Mrs. James Howey, East Jordan.
Organizer for Michigan, Mrs. M. Culbertson, Three Rivers, Mich.

Interesting Notes of National, State and Cadet Organization

The fourth State Convention of the Ladies Society of Equity was held at the pleasant country home of Mrs. John Culbertson, October 7. A good representation of interested farm women were present, and a very busy day was the result. Many interesting subjects were discussed, and enthusiastic talks were made on marketing. Resolutions on several important questions were adopted. The resolutions included one on the white slave traffic, which the farm women intend to aid in suppressing.

At this meeting a national union of the Society was organized, with officers elected for national and state unions as follows:

National Union—Mrs. James Howey, president; East Jordon, Mich.; Mrs. Ida Stebbins, vice president, Shelton, Nebraska; Mrs. Mae Austin, secretary, Vicksburg, Mich.; Mrs. Cora Senif, treasurer, Centerville, Mich.; Mrs. Nathan Culbertson, national organizer, Three Rivers, Mich.; Mrs. Holton Pierson, national instructor, Three Rivers, Mich.

State Union—Mrs. Cora Senif, president, Centerville; Mrs. Maude Daniels, vice president, Mendon; Mrs. Minnie Jackson, secretary, Three Rivers; Miss Marcia Lanway, treasurer, East Jordan; Mrs. Martha Culbertson, organizer, Three Rivers. In addition to these officers five directors were elected as follows: Mrs. Martha Culbertson, Mrs. Bertha Hammond, Mrs. Mary Scott, Mrs. Alice Sheppard, Mrs. Gertrude Bennett, Mrs. Agnes Coles.

At the close of the state union meeting a local union of the Ladies Society was organized with eleven members, and will be known as the Pansy local. The officers elected were as follows:

President, Mrs. Cora Senif; vice president, Mrs. Jennie Williams; secretary, Mrs. Maude Daniels; treasurer, Mrs. Helen Hazzard.

A fine entertainment was given in the evening by the Cadets of Equity, and Mrs. Halton Pierson entertained with some fine selections in music, that were enjoyed by all present. At the request of Mrs. Culbertson a local union of the Cadets of Equity was organized, it being the first local. The officers are: Carrol Culbertson, president; Ruth Lankton, vice president; Donald Mills, secretary; Helen Daniels, treasurer. The Cadets of Equity will be auxiliary to the Ladies Society.

At the request of the president of the Roosevelt Country Life Commission, the papers were discussed and a resolution adopted that the Ladies Society of Equity endorse the country life school plan, and that the resolution be sent to the Country Life Commission to be held at Spokane, Washington, Nov. 17.

Mrs. James Howey, national president of the L. S. E., addressed the convention on Woman and her part in the world's work. Going back to the earliest history, and coming down to the present time, she showed that woman has aided in all important movements; and now the greatest cause of the ages comes before the farm women.

A resolution was adopted voting to Mr. and Mrs. Culbertson the hearty thanks of the Michigan farm women assembled in convention for their hospitable entertainment.

FARMERS' MEETING

There was a very enthusiastic meeting of farmers in the evening, with Mr. John Lankton as chairman. This meeting was addressed by Charles A. Mastin of Sherwood, a director of the F. S. E. and also by Mrs. Martha Culbertson, national and state organizer for the L. S. E. Mr. Mastin very clearly described the workings of the Equity System, and Mrs. Culbertson gave a fine analysis of the complete Equity System. She also spoke at some length upon Equity halls, calling them temples of liberty, and said that where they are the saloon is no longer the poor man's club, for those halls are not only places where the complete Equity System is operated but they are places of rest, recreation and enlightenment. They are heated, lighted and supplied with pure water for man and beast.

County organizer for the Farmers' Society of Equity, John Lankton, is a hustler in Equity work, and made some excellent remarks, and several of the best representa-

(Continued on page 22)

THANKSGIVING WILL SOON BE HERE --- NOVEMBER 24th

THANKSG VING NOVEMBER 24th



50 THANKSGIVING GREETINGS 50

LOOK **OLD FOLKS and YOUNG FOLKS AT MY THANKSGIVING POST CARDS. YOU NEVER SAW ANY TO EQUAL THEM. LET ME SEND YOU 8 SETS—50—ALL DIFFERENT —J.A.E.**

THE use of holiday post cards is increasing at an amazing rate. It is the custom now for nearly every family, and every member of the family, to send a greeting to absent friends as the holiday seasons arrive and nothing gives more pleasure than to thus remember and be remembered. There is nothing more appropriate than to send my beautiful **SOUVENIR THANKSGIVING POST CARDS** as thoughtful remembrances on this holiday occasion.

Last season I gave my subscribers very beautiful cards. A great host of them wrote: "The most charming ones we ever saw." But I am proud to announce that my 1910 cards are far, far more beautiful than last season's and richer and more expensive.

I will not attempt to describe them here; I cannot. You must see them. There are 8 sets, or 50 in all—no two alike. They are produced by 12 printings, are embossed, and half are finished in gold, the other half in silver. Each card has the picture of a turkey with all the richness and gloss of his plumage reproduced. Also pictures of happy children, autumn leaves, flowers, corn, wheat, fruit, pumpkins, etc., and a joyful Thanksgiving Greeting. My Thanksgiving cards make every body happy, from grandfather to the little tots.

Remember, there is not one set but eight. By this arrangement they meet the requirements of all the members of the family for correspondence, while to keep they make a collection that any person will be proud to possess. Cards not as beautiful often sell in stores at 5c each or 2 for 5c. But you can't buy these. I control them and give them only as rewards. Following is my offer:

My Great Offers

No. 1.	Send a two year subscription	$ .50
No. 2.	Or renew for two years	.50
No. 3.	Or send your own subscription and a new subscriber, each for one year	.50
No. 4.	Or subscribe for five years	1.00
No. 5.	Or renew for five years	1.00
No. 6.	Or divide the five years between yourself and the new subscriber	1.00

Do any one of these and send the coupon and I will send the entire series of 50 **THANKSGIVING** post cards by return mail. **Satisfaction guaranteed or money returned.**

J. A. EVERITT, Editor, Up-to-Date Farming,
Indianapolis, Ind.

This Offer is Limited to Orders Mailed on or Before NOV. 24

J. A. EVERITT, Editor, Indianapolis.

Enclosed is $..... Please send UP-TO-DATE FARMING for the number of years written below and your premium of **THANKSGIVING** Post Cards as offered in November 1st number. (If you cannot send a new subscriber then write your name only and you will be credited for 2 or 5 years.)

Name..... of years...
My Number
My
Address .....

Are you a subscriber now?.....

A new Number
Subscriber..... of years...
His
Address .....

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

MINIMUM PRICES 1910 CROPS

We believe the following are fair and equitable minimum prices for the crops mentioned. We believe conditions of supply and demand are such that these prices will be paid before the next crops are produced. Certain it is that if producers will hold their crops and ask these prices they will be paid, because the world of consumers cannot get along without them. The farm price will be the minimum price less freight and a fair commission to the handler.



Minimum prices on other crops will be announced later.

WHEAT—No. 2 red, at Chicago.....$1.20
WHEAT—No. 1 Northern (Spring) at Minneapolis, ... 1.20
CORN—No. 2, at Chicago, before Jan. 1 ..... .60
CORN—No. 2, at Chicago after Jan. 1 ..... .65
OATS—No. 2 white, at Chicago..... .47
BARLEY—Good malting, at Chicago.. .75
RYE—At Chicago ..... .75
BUCKWHEAT—At home ..... .85
BEANS—at Detroit .....$2.50@2.75
TIMOTHY HAY—Choice, at Chicago Per ton .....$20.00@21.00
CATTLE—Choice to Fancy Steers, at Chicago, per cwt.....$7.50@8.50
HOGS— At Chicago, per cwt..$7.50@10.00
POTATOES—From the field, good to choice .....40@50c
BROOM CORN—At Chicago, $150@175
COTTON—At Galveston, New Orleans, Mobile, etc., per lb. 15c

WESTERN RECEIPTS OF GRAIN

	Comparison, Oct. 22. Bushels.	A year ago. Bushels
WHEAT	1,169,000	1,901,000
CORN	527,000	360,000
OATS	556,000	662,000

TWO weeks ago it looked to us that there was a decided better tone to all grain prices, and that dumping had evidently run its course and we said as much. Our guess was not good as regards marketing wheat and barley as both show large increases, and we missed it on prices as the whole list is lower. But there are strong



The Dumper is Plucked Clean.

indications of a change for the better. We believe farmers will not market much at current rates. If we read their minds correctly then it will not be long before the stress on storage room will be relieved and higher prices will prevail.

Much is made of the lack of export demand to bear prices. As long as prices are going down there is no inducement to buy and foreigners will not buy. They make money by staying out of the market. But start the price up and see how quickly they will come and buy. And the same illustration can be applied to our home buyers. The market reports say, there is lack of demand. Demand will not come for more than immediate needs on a falling market but it will be urgent if values start upward and have the appearance of continuing upward.

The farmers have the matter of demand all in their own hands. If they will quit selling for two weeks, or sell much less than they have been marketing the trick will be turned. If this paper reached one fourth of the producers of any crop we could quickly produce conditions that would put the price of that crop where it should be and keep it there.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supply of grain in the United States, by Bradstreet's reports on Oct. 15th, 1910, with comparisons is shown in the following table: — before figures means decrease, X means increase.

— Before figures means decrease; X means increase.

	October 15, 1910	Change from two weeks before	Change from a year before	Change from 2 years before	Change in same period last year
WHEAT	48,322,00	X 5,039,000	X 5,779,000	X 797,000	X 8,620,000
CORN	6,753,000	— 982,000	X 375,000	X 3,183,000	X 1,351,000
OATS	27,298.000	— 2,200,000	X 8,117,000	X12,232,000	X 1,000,000
BARLEY	3,728,000	X 1,249,000	— 2,359,000	— 5,797,000	X 3,000,000

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	Oct. 14, 1910	Oct. 7, 1910	Oct. 15, 1909
American	1,844,385	1,578,741	2,756,529
Other kinds	542,000	569,000	372,000
Total	2,386,385	2,147,741	3,128,529

The total visible increased 810,252 bales in three weeks.

CLOSING PRICES OF CASH GRAIN

(Oct. 22, 1910 with comparisons)

	WHEAT NO. 2 RED		CORN NO. 2 WHITE		OATS NO. 2 WHITE	
	October 22	3 weeks before	October 22	3 weeks before	October 22	3 weeks before
CHICAGO	94½@95½c	96@97½c	48¼c	25c	32@32½c	34@34¾c
ST. LOUIS	99@$1.00	$1.01@1.00	49½c	51½c	32½c	34¾@35½c
KANSAS CITY	94@95c	98c	48¼@48½c,	50¾c	31½@32c	32@34c
CINCINNATI	97c@$1	99c@$1.01	51½@52c,	54@54½c	34@34½c	35@36c
NEW YORK	.....98c	$1.01¾	26c	29½c	37½c	39c

Minneapolis—Wheat, No. 1 hard, spring, $1.05¾; two weeks before, $1.10½. No. 1 Northern, spring, $1.04@1.04½; two weeks before, $1.09⅛@1.09⅜.

FUTURE GRAIN PRICES

Chicago future closed Oct. 22 as follows:

WHEAT—Dec., 92⅝@92¾c; May, 99⅛@99¼c; July, 96¼c; two weeks before, 96¼c and $1.02¼ respectively.

CORN—Dec., 54¼@54⅜c; May, 48½c; July, 49¼c; two weeks before, 49½c and 52⅝c respectively.

OATS—Dec., 30¼c; May, 33⅝c; July, 32⅛c; two weeks before, 32⅝ and 35⅝c respectively.

GHICAGO PRODUCE MARKET

(Oct. 22, 1910.)

POTATOES—Continued cool weather was favorable and a stronger feeling pervailed. Trading was mainly in Wisconsin, sales ranging at 38c for poor stock up to 44c for fairly ripe. Local demand was good, but holders were not inclined to sell at former prices, and the trade was restricted somewhat on that account. There is a good outside demand reported.

Sales reported were: Wisconsin—1 car poor at 38c, 1 car green at 40c, 1 do. at 42c, 1 car fairly good at 43c, 1 do. at 44c.

The market was quotable as follows:

Per bu., Maine, Cobblers, choice..$ 60@...
Showing rot ..... 50@55
Michigan, round, white, small or green, as to quality ..... 47@50
Ripe stock higher.
Wisconsin, immature stock, small or large and hollow as to condition 38@44
Fairly ripe ..... 45@48

The price is 6 to 10 cents lower on Michigan and 7 to 11 cents lower on Wisconsin than two weeks before.

HAY—Medium grade of Timothy Hay in good demand and steady. Other grades in light demand and quiet. Kansas hay steady. Demand fair.

Choice Timothy Hay .....$18.50@19.00
No. 1 Timothy ..... 16.50@17.50
No. 2 Timothy ..... 15.00@16.00
No. 3 Timothy ..... 12.00@14.00
Kansas and Oklahoma Prairie, choice ..... 15.00@15.50

The price is $1.00 a ton lower on No. 1 timothy. 50 cents a ton lower on prairie, but about the same on other grades as two weeks before.

BROOM CORN—A little more corn is coming in, but the supply is not large.

PRICE—New corn, depending on quality, per ton, $90@140. The price is the same as two weeks before.

BEANS—It was difficult to get quotations for Pea Beans. Dealers say the market has become very unsettled. Some coming in are being placed on old trades. There is little new business. Buyers are holding off for lower prices. A few Red Kidney on the market and they were quoted lower. Brown Swedish quiet at late reduced quotations, and Limas unchanged.

Pea Beans—
Hand-picked, choice, around..$2.20@2.25
Good but not strictly hand-picked ..... 2.00@...
Mediums nominally about the same as Pea Beans.
Red Kidneys ..... 3.00@....
Brown Swedish ..... 2.75@...
Limas, California, per 100 lbs 5.50@...

The price quoted is 25 cents a bushel lower on Pea Beans and the same on Limes as two weeks before. On other varieties there were no prices then.

APPLES—About the only unfavorable condition that receivers have to contend with is that lately quite a little common fruit has come in. Some apples packed in barrels and shipped during the late warm weather have come in heated and soft.

Barrels—regulation size—

Baldwins, No. 1, $3.00; fare to good $2.25@2.50. Pippins, all kinds, No. 1,$3.50@3.75; ordinary quality, $2.50@3.00. Greenings, fancy, $4.00; choice, $3.00. Twenty Ounce, $4.00@4.50; fancy, $4.75; fair to good, $3.00@3.75. Talman Sweet, fine quality, $3.25@3.50. Grimes Golden, choice $4.00; fair to good, $3.00@3.50. Gravenstein, No. 1 to fancy, $3.75@4.00; fair to good, $3.00@3.25. Ben Davis, No. 1, $2.75@3.00; No. 2, $1.50@2.00. King, choice to fancy, $4.00@4.50. Jonathan, good, $4.00@4.50; fancy, high color, $5.25@5.50; No. 2, $2.50@3.50. Wagners, $3.25@3.50. Spies, Michigan, common and rusty, $2.00@3.00. York Imperial, No. 1 to fancy, $3.25@3.50; fair to good, $2.75@3.00. Cooking Apples, different kinds, good to choice, $2.75@3.00; No. 2, $1.75@2.00.

The price of apples is about the same as two weeks before.

LADIES SOCIETY OF EQUITY

(Continued from page 21.)

tive and progressive farmers have placed their names on an application for a local union of the Farmers' Society.

These three societies, working in cooperation, should make a power that should be felt for great good to all the people. We that are members hope that the work done at Centerville, Mich., will be repeated in many other places over the land. Let "Farmers to the Front" be the rallying cry of Old St. Joe county until it is heard all over our State in the call to organize in the Farmers' Society of Equity, the L. S. E and the Cadets of Equity.

A resolution passed giving a vote of thanks to UP-TO-DATE FARMING, the Cherlevoix County Herald, and all papers that have given the society space in their columns. The convention closed with a fine banquet spread by our kind hostess Mrs. Culbertson.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Automobiles

FOR SALE—Brand new 5-passenger touring car, direct from factory, never been used. Owner must sacrifice. Top, magneto, windshield, presto-lite and all complete. Big reduction. J. B. Fentony, Indianapolis, Ind.

Farms For Rent

IMPROVED 80 acres especially suited to raising sheep. Possession immediately. Address 709 Park avenue, Indianapolis, Ind.

Farm Lands For Sale

LARGE LIST excellent Michigan Farms; any size; easy terms; catalog free. Kouw & Co., Holland, Mich.

GREELEY COUNTY, KANS.; 160 acres; $13,000, smooth, level, uninproved; $500 down, balance easy terms. Clement L. Wilson, Tribune, Kansas.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

100-ACRE, well-improved farm in Hendricks Co., Indiana, all brand new buildings, 94 acres in cultivation, well drained, gently rolling, on R. F. D. near markets, 17 miles from Indianapolis. Address B. M. M., 2134 College avenue, Indianapolis.

TEXAS SCHOOL LANDS—Over 1,000,000 acres for sale by the state; you can buy 640 acres at $2 an acre; pay $32 cash and balance after 40 years; fine farming and fruit land and healthy climate. For further information send 6c postage. Investor Pub. Co., Dept. 22, San Antonio, Texas.

VIRGINIA FARMS for sale at eight to fifteen dollars per acre. Write for descriptive booklet. Jeffreys, Hester & Co., Chase City, Virginia.

Farms Wanted

FARMS WANTED—Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, 71 Palace, Minneapolis, Minn.

WE CAN SELL YOUR PROPERTY. Send description. Northwestern Business Agency, Minneapolis.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

For the Home

UNPOLISHED TABLE RICE—Like the Japs eat. Most delicious and nutritious of all the cereals. Our specialty. 100 pounds, in double sacks, freight prepaid to your railroad station $5.00. Reference, The Houston National Exchange Bank, Houston, Texas. J. Ed. Cabaniss, Rice Farmer, Katy, Texas.

Male Help Wanted

GET A BETTER PLACE—Uncle Sam is best employer; pay is high and sure; hours short; places permanent; promotions regular; vacations with pay; thousands of vacancies every month; all kinds of pleasant work everywhere; no lay-offs; no pull needed, common education sufficient. Ask for free booklet 839, giving full particulars and explaining my offer of position or money back. Earl Hopkins, Washington, D. C.

HELP WANTED—$70.00 month to commence. Steady work. Rapid advancement. Every second week off duty at full salary. Railway mail clerks. Examinations in every neighborhood November 12th. If you want appointment, write us immediately. Franklin Institute, Dept. 27, Rochester, N. Y.

LOCAL REPRESENTATIVE WANTED.—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, Suite 511, Marden Bldg., Washington, D. C.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

Produce Commission Merchant

TAKE NOTICE—T. J. Hoover, Phila., Pa., sells poultry, eggs, apples, potatoes, onions, cabbage, carloads and less.

Thoroughbred Stock

DELAINE RAMS, Fine quality; catalogue free. Frank Russell, Wakeman, O.

Tobacco Cures

BROTHER—Accidently discovered root will cure tobacco habit and indigestion. Gladly send particulars. G. T. Stokes, Mohawk, Florida.

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

When to Sell Where to Sell How to Sell

WHENEVER you have anything to sell sell it through THE EQUITY SYSTEM, which is the business plan of the Farmers Society of Equity. Read the following market reports carefully. They will give you valuable information. Select the markets that appear to be the logical ones for what you have to sell and ship at once or write first. EXERCISE GOOD JUDGMENT. Don't ship small lots to distant markets, but car loads. If you have not enough get your neighbors to join with you.

There is a difference of 5c, 10c, 25c, 50c or even a dollar or more per unit in values on different markets. The Equity System enables you to SELECT THE HIGHEST ONE. Then the local buyer charges a good sum for doing your business. What's the use of standing these taxes?

Farmers must do more of their own business and close the toll gates. The best way is to organize a local union of the Farmers Society of Equity when the secretary will be the BUSINESS AGENT for all the members. While waiting for that do your own business direct through The Equity System.

EVERY REPRESENTATIVE IS VERY RESPONSIBLE and with high commercial credit. Financial and credit reports will be sent on request.

Always address "THE EQUITY SYSTEM" at the markets you select. There are also many more markets represented than those below. Send your renewal and ask for confidential booklet, E. 36.

FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.

ALABAMA

HUNTSVILLE—Our market needs choice white table potatoes in sacks of 150 pounds, hand-picked Michigan navy beans, apples, corn, oats and hay. Correspond.

MOBILE—We need oats, corn and hay; potatoes, onions, rutabagas, cabbage and apples; beans, rice, poultry, eggs and cheese; oranges. Also cotton to sell or store. There is an increasing trade from interior points, also from Central and South American points and we need the goods. Ask for offers.

BIRMINGHAM—Please inform your subscribers that we need potatoes, onions, cabbage, navy beans, dried fruit, etc. Potatoes might be stored here after a month or so, but too warm now.

ARKANSAS

PINE BLUFFS—Our market needs onions, and potatoes. We have plenty of apples now but will need later. We also need some oranges. There is no place here to store potatoes.

GEORGIA.

ATLANTA—Market very well supplied with all lines of fruit and produce. Receipts are rather heavy. Some prices Oct. 18th—Danish cabbage, $15@20 a ton; domestic $12@15. Choice rutabagas, $18@20; red and yellow globe onions, 80c a bu.; white, $1.00; Maine potatoes, 15@80c; New York, 75c; Virginia, 70@75c. No. 1 York Imperial apples $3.50; winesap, the same. Write us.

ILLINOIS

CAIRO—We need a few cars of bulk cabbage, both domestic and Holland, also red globe onions. Northern potatoes will soon be in demand. Correspond.

INDIANA

INDIANAPOLIS—Shippers can realize good prices for apples, grapes and Bartlett pears. Potatoes ruling 60@65c bu. Eggs in demand. One of the best markets in the country for live stock. Write for spot offers on anything you have.

IOWA

BURLINGTON—Our market needs potatoes, onions, cabbage and some other seasonable produce. The trade here is ready to contract for potatoes in large quantities for shipment as wanted in 30 days. Our people must get in line at once if they want to supply this demand. There are no facilities here to store potatoes but we believe that it will pay farmers to store part of their crops in central markets.

MASSACHUSETTS

BOSTON—We are strongly of the opinion that now is the time to store some potatoes. This market consumes everything produced on farms. Write for prices. Kindly remember that Boston is headquarters for Washington, Oregon, California, Colorado, Utah and Arkansas box apples.

MICHIGAN

BAY CITY—This market now ready to buy fancy winter apples in barrels; well cured globe and Danvers onions, also evaporated apples.

MINNESOTA

MINNEAPOLIS—Cabbage in active demand. Wisconsin and Iowa growers of Danish cabbage can net $9@10 a ton by sending here. Hay of all kinds, grades and conditions is needed. Wheat, oats and rye straw also in demand here. Bale your flax straw and write us for offers. Apple shippers are getting excellent results here. People in Missouri, Arkansas and Nebraska having any variety of apples, whether bulk or barrel stock ought to correspond with us quickly. (*This is particularly referred to orchardists at Hutchinson, Kansas, who thought there was no market for apples and expected to let thousands of bushels spoil. Also any market in need of apples correspond with Judge F. L. Martin, W. J. Sponsler, and W. H. Mitchell all of Hutchinson, Kansas.—Ed.*) Montana wheat growers should not ship here unless it is impossible to sell to their home millers and in adjoining states. Dakota and state shipments solicited. Potatoes are needed and we can realize for State and Dakota growers from 55@60c at this time. Correspondence solicited. Our Equity people are invited to make our commodious offices in Hotel Allen, their headquorters when in the city.

ST. PAUL—Because of the 1910 drought our market needs more produce than ordinarily. Almost everything in fruit, vegetables, live stock, butter, eggs, etc., sell at good prices. About storing potatoes here: Our honest opinion is that they will not be lower and may be higher. If there is any call for advances of money on stored potatoes we think we can take care of it all right.

MISSOURI

ST. LOUIS—Good demand for northern and eastern Holland seed, Danish and domestic cabbage; for bright Rurals and Burbank potatoes in 150 pound bags; red globe onions, ruta bagas and carrots. We want growers to write us and tell us what they have to ship and we strongly advise against consigning before inquiry as this will avoid glutting markets. Write us about all kinds of farm produce.

KANSAS CITY—We particularly need potatoes and lots of them. But report to us what you have of all kinds of farm produce.

NEW JERSEY

NEWARK—Our market is in good shape for cabbage, apples, live and dressed poultry, eggs, veal and pork. We also have a good outlet for chestnuts and hickory nuts, which bring good prices. Write or wire us for offers. We believe potatoes stored this year will show the farmer a good profit. The only reason that the price is where it is now is because everybody seems to want to get rid of the stock at once. As to storing here, this is the first time we have been confronted with the question and are not ready to advise yet, but we hope the farmers will hold back a good part of the crop.

NEW YORK

SYRACUSE—A good demand for York State pea and medium beans at $2.25 delivered. The general opinion is that the price will be lower. Our opinion is that this is going to be a good year to hold potatoes, if the stock is good and sound. We do not advise storing in this city as there is a producing territory all about us.

ALBANY—The report for Syracuse applies to this place also.

NEW YORK—The market on potatoes has gone to pieces at present. Most other produce needed. Write or wire for quotations on what you have to sell.

BUFFALO—This market is showing good results on Northwestern box apples, N. Y. State apples, Florida oranges and grape fruit, Indiana and Ohio onions, live and dressed poultry. Also on Michigan beans. Correspondence invited with any subscriber having any farm produce to sell. We will give facts about our market and if our market can do as well or better than others we will be glad to serve them.

NORTH DAKOTA

BISMARCK—Our market is quite well supplied now. We can store some potatoes in our storehouse and advance freight charges.

GRAND FORKS—We want all kinds of field seeds, timothy, clover, millet, corn, etc. We think prospects are good for better prices on potatoes and avdise growers to keep part of their crop off of the market this fall. There is no storage room here.

OHIO

COLUMBUS—We advise growers to store potatoes rather than throw them on the market to bring what they will. The markets all over the country have kept dropping until the price is very low. We can store potatoes here at 1 cent a bushel per month, which includes handling them into the storage. They should be shipped in 150 pound bags otherwise they will be sacked and actual cost charged the shipper. All potatoes for storage should be sound and dry and shipped before freezing weather. Warehouse receipt will be sent to the shipper which he must return when he wants to put them on the market.

Our market is very good for apples and will be pleased to make offers on any farm produce.

THE 1910 POTATO CROP—SHALL IT BE MARKETED OR STORED

Why do the boys, and the girls too, leave the farm?

Because they have been taught everything about producing crops but nothing about marketing them at profitable prices.

What is the remedy? How can the boys be kept on the farm to run it and what can we do to remove the prejudice that farm girls hold against being farmers' wives?

Teach a practical way to conserve the crops against the time of the real demand for consumption and supply farmers with a successful system for marketing that will always get fair and profitable prices. That is what UP-TO-DATE FARMING is doing. We believe there is less tendency among the young people where UP-TO-DATE FARMING is taken and read to leave the farms than in other homes because it opens up new possibilities in agriculture, such as few dreamed of before.

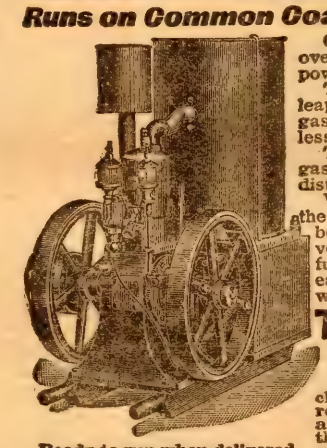
We started out to say something about the 1910 potato crop, but we could not refrain from digressing a little because the boys and girls on the farms, where potatoes are grown for market, cannot help but be disgusted with the business. The conditions that prevailed last season, and up to this time this season are enough to discourage them with farming and drive them into some other business.

We don't blame them. We would blame them though if they did not display enough

(Continued on page 9.)

The Kerosene Engine Wins Immense Success!

Runs on Common Coal Oil—Gives World's Cheapest Power



Ready to run when delivered. Starts without cranking. One-fourth the weight of other engines. Speed and fuel consumption under perfect control. Only three moving parts. No cams, gears, valves or sprockets—no fuel pump. Overruns its rated horse power. From maker to user—only one profit. Light weight saves freight. (55)

Only a short time ago this was an unknown engine. Today over 35,000 "Detroits" are in actual use, giving best and cheapest power ever known.

The popularity of "Detroit" Kerosene Engines is growing by leaps and bounds. Users of this engine don't worry because gasoline prices are rising. Coal oil frequently costs 6c to 15c less per gallon than gasoline.

The "Detroit" produces greater power from less fuel than any gasoline engine. Runs equally well on kerosene, gasoline, alcohol, distillate, etc.

Why buy a gasoline engine, and pay two prices for fuel, when the splendid "Detroit," for much less money, does more and better work running on coal oil? Its simplicity, power and convenience are wonderful. Only three moving parts. Speed and fuel consumption under absolute control. Children run it with ease. Mounted on skids—easily portable. Does work of engines weighing four times as much.

The Amazing "DETROIT"

From Factory to You—ON TRIAL

You can order any size "Detroit" Engine from 2 to 20 H. P., inclusive, on 15 days' trial, under an ironclad agreement that we will refund every dollar you pay us for this engine if you are not abundantly satisfied—you to be the sole judge. Every engine gets a thorough trial run immediately before leaving factory. Our factory prices save you from $40 to $200 on the engine you purchase. Every "Detroit" guaranteed by our entire capital.

Detroit Engine Book Is "The Book of Revelations"

Send today for the Free Book, giving all the news, all the details about this remarkable engine. Tells all about the most successful kerosene engine ever built.

Write Quick for Grand Introductory Offer

To the first buyer in every community we will make a very special introductory price. This is a limited offer. Quick action is important. Dash off a line today—on a postal—for Free Book and Offer. Address

Detroit Engine Works, 396 ***Bellevue Ave., Detroit, Mich.***

PRIZE CONTEST



FOR MEN AND WOMEN WHO LOVE TO DRAW

This cartoon was drawn by "Zim," the world's most famous cartoonist of "Judge." Can you make a copy of it? Try and see how easy it can be done. Draw this cartoon NOW, with either pen and ink or pencil, making it twice the size shown, and send it to us today, stating your age, occupation and if you have ever won a prize in our Contests.

COPY ME AND WIN A PRIZE

Our Board of Art Directors will carefully examine your sketch and if it is 60 per cent. as good as the original you will receive as a prize "The Home Educator" for 3 months. If you do not hear from us in ten days, your drawing was rejected.

IT COSTS YOU NOTHING

"The Home Educator" is a very inspiring magazine for both men and women, it is fully illustrated by world-famous illustrators. There is positively no money consideration connected with this Prize Contest. Neither can you buy or subscribe for this magazine—it is awarded only to prize winners in our Contests. Copy this cartoon NOW and mail it to us this very day.

Correspondence Institute of America, Dept. 88 Scranton, Pa.

I Cured My Rupture

I Will Show You How To Cure Yours FREE!

I was helpless and bed-ridden for years from a double rupture. No truss could hold. Doctors said I would die if not operated on. I fooled them all and cured myself by a simple discovery. I will send the cure free by mail if you write for it. It cured me and has since cured thousands. It will cure you.

Fill out the coupon below and mail it to me today.

Free Rupture-Cure Coupon

CAPT. W. A. COLLINGS,
Box 606 Watertown, N. Y.

Dear Sir:—Please send me free of all cost your New Discovery for the Cure of Rupture.

Name.....

Address.....

.....

Indian Runner Ducks

THE BREED THAT LAYS 280 EGGS EACH YEAR. FAWN WHITE AND PENCILED

TRIO—One Male, Two Females . . $5.00	Eggs per setting of 15 . . . . . $1.50
PEN—One Male, Four Females . . $7.50	Eggs per hundred $6.00

Petaluma Incubators, operated by oil, gas or electricity

EVERYTHING FOR THE POULTRY YARD CATALOG FREE; SEND FOR IT

PETALUMA INCUBATOR CO., Indianapolis, Indiana

Tons of Money Saved by Wearers of STEEL SHOES!

Ruthstein's Steel Shoes are Worn and Praised by Thousands

FREE

Write today for book, "The Sole of Steel," or order a pair of Steel Shoes.

Pat. Dec. 4, 1906
Others pending.



One Pair of "STEELS" Outwears 3 to 6 Pairs of Best All-Leather Shoes—Saves $5 to $10 a Year

You can positively save from $5 to $10 a year and get more good wear, more solid comfort, more health-protection, more real enjoyment out of Steel Shoes than you ever had in your life from leather-soled work shoes or rubber boots. Thousands are wearing Steel Shoes today, saving immense sums of money. Every wearer will tell you they are easier on the feet, lighter, more healthful and durable than the best all-leather work shoes that money can buy. Absolutely the best farm shoe in existence.

BETTER THAN THE BEST LEATHER-SOLED SHOES---FEEL BETTER, FIT BETTER, WEAR BETTER, LOOK BETTER!

If you will **put a pair of Steel Shoes on your feet**—even for **five minutes**—the shoes will do the rest. They will surprise and delight you with their lightness, neatness and comfort—their astounding durability. They will literally **sell themselves!**

Hence I am making this special **Free Examination Offer,** merely asking you to send me the price, while you are "sizing up" the shoes. If they fail to convince you **immediately,** you can simply notify me to send for them at my expense and the money will be refunded **at once.**

No Corns! No Bunions! No Callouses! No Blisters! No Wet Feet! No Colds!

Try Them On---in Your Own Home---at Our Risk!

FREE EXAMINATION!

Your Money Back Immediately if Shoes Don't Suit!

The Steel Shoes are the strongest and easiest working shoes made. There is no need of breaking in. Comfortable from the first moment you put them on. Easy to put on or take off. Impossible to get out of shape. We could not afford to make you this special offer if we were not confident that our Steel Shoes are just what you need. You run absolutely no risks, no trouble on your part. All we ask is that you try on a pair of Steel Shoes before you buy any other style of working shoes! You will wonder how you ever did without Steel Shoes this long. Our Steel Shoes will more than surprise you.

A Wonderful Invention Explained

Here is the way Steel Shoes are made: The uppers are made of a superior quality of leather, as *waterproof as leather can be tanned.* This leather is wonderfully soft, flexible and pliable—never gets stiff and hard, no matter how long the shoes are worn in mud, slush or water.

The soles and sides are made out of one piece of special light, thin, springy, rust-resisting Steel.

New Corrugated Steel Soles

We have added 100 *per cent* to the *strength* of the Steel Soles by *corrugating* the bottoms. This *extra strength* enables us to make the soles even *lighter* than before.

The Sole of Steel keeps the uppers in shape, prevents them from warping, twisting or cracking. Soles and heels are studded with adjustable Steel Rivets which prevents the bottoms from wearing out. Rivets are easily replaced by hand when partly worn, making the shoes as *good as new!* Fifty extra rivets cost only 30 cents and should keep the shoes in good repair for at least two years. No other repairs ever needed! The uppers are tightly joined to the steel by small rivets of rust-resisting metal, so that no water can get between.

The soles are lined with soft, springy, comfortable Hair Cushions, which *rest the feet,* absorb perspiration and odors and add to ease of walking. Cushion can easily be taken out for cleaning.

No Corns, Bunions, Callouses, Blisters!

Steel Shoes are so easy on the feet that they absolutely do away with corns, callouses, soreness, blisters and other foot troubles. They give *rest* and *support* to the feet, and keep them in *perfect condition.*

No Wet Feet! No Cold or Rheumatism!

If you wear Steel Shoes you can work all day in mud and water or snow without having wet or cold feet. Thus you escape colds, rheumatism, neuralgia and the long train of ills that result from cold, wet feet. The dreaded Pneumonia often results from inadequate foot protection. Steel Shoes pay for themselves again and again by preventing sickness and saving doctor's bills. Wear Steel Shoes and you can work in cold, wet, stormy weather that would otherwise keep you indoors.

Steel Shoes in Sizes 5 to 12

6 Inches, 9 Inches, 12 Inches and 16 Inches High

Steel Shoes, 6 inches high, $2.50 per pair.
Steel Shoes, 6 inches high, better grade of leather, $3 per pair.
Steel Shoes, 6 inches high, extra grade of leather, black or tan color, $3.50 per pair.
Steel Shoes, 9 inches high, $4.00 per pair.
Steel Shoes, 9 inches high, extra grade of leather, black or tan color, $5.00 per pair.
Steel Shoes, 12 inches high, extra grade of leather, black or tan color, $6.00 per pair.
Steel Shoes, 16 inches high, extra grade of leather, black or tan color, $7.00 per pair.
Each pair of Steel Shoes is worth $2.00 more than the best leather work shoes. A trial pair will convince you.
Every pair of Steel Shoes is inspected and tested before shipment.

A Positive Blessing to Farmers' Feet

Steel Shoes are unquestionably the most important discovery for the benefit of farmers in the last 100 years. They enable you to work in comfort, rain or shine, in heat or cold—in the field, barnyard or feed lot—in the swamp, in ditch work, among brush, stones or wherever there's work to do. They stand hard knocks! They shed mud! They keep your feet bone dry, rested and free from corns, chafing and blisters!

They save time and money and doctor's bills.
The *proof* is *yours for the asking!*

Don't Wait—Send Now

See the shoes—then decide!
We don't ask you to *buy* the shoes!
We just want you to slip your feet into a pair of Steel Shoes—to *feel* and *see* and *know* how much *lighter, neater, more comfortable* they are than any other work shoes in existence.

We offer to send you a pair of Steel Shoes for FREE EXAMINATION—any size or style you may select—on receipt of the price and *let the shoes themselves* tell you their marvelous story of comfort, lightness, neatness, strength and wonderful economy. You *must* see the shoes themselves *before* you can *realize* how much they mean to you!

They will tell you more in *five minutes* than we could in *five hours!*

If they don't convince you *instantly*—DON'T KEEP THEM!

Simply notify us to send for the shoes at our expense, and every penny of your money will be returned promptly without delay or argument.

Don't hesitate. Any banker, any express company will tell you we are responsible. The editor of this paper will do the same. You need Steel Shoes and you need them NOW. Don't put it off, but accept our liberal FREE EXAMINATION OFFER at once, and *make sure* of getting your shoes promptly.

We strongly recommend the 6-inch high Steel Shoes at $3.50 per pair or the 9-inch high Steel Shoes at $5.00 a pair. For all classes of use requiring high-cut shoes, our 12 or 16-inch high Steel Shoes are absolutely indispensable.

Throw away your old shoes and hot rubber boots—Don't torture your feet in hard, twisted, warped, leaky, shapeless leather-soled shoes. Don't sweat your feet and make them tender by wearing hot rubber boots, felt boots or arctics. Throw the old things away! Get a pair of Steel Shoes and learn what foot comfort really means!

Our Three Great Factories

The success of Steel Shoes is almost startling.
Within three years we have established Steel Shoe Factories in Racine, Wis., Toronto, Canada, and Northampton, England.
These great factories, running at full capacity, can scarcely keep up with the demand from all over the world.

Steel Shoes for Boys

Boy's Steel Shoes are absolutely *boy-proof!* Made exactly like Men's Steel Shoes. Soles, heels and sides are *one piece* of light, thin, *rust-resisting* Steel. Uppers are *waterproof* leather! Put a pair on *your* boy and save shoe money!

An active boy keeps you busy buying shoes. One pair of Boys' Steel Shoes outlasts 3 to 6 pairs of "all-leather." No patching! No half-soling! No new heels!

Boys who wear "Steels" can work or play in *mud, slush, or water* without danger of colds and sickness. We will send a pair of Boys' Steel Shoes for Free Examination on receipt of the price.

If you are not instantly convinced of their wonderful merit, simply notify us to send for the shoes at our expense and your money will be refunded promptly.

Boys' Steel Shoes—Sizes 1 to 5

6-inch High Boys' Steel Shoes, $2.50 per pair.
9-inch High Boys' Steel Shoes, black or tan, $3.50 per pair.
In ordering, give correct size. Boys' Steel Shoes will *please the boy and save you money* and worry! Send today!

EXAMINATON COUPON

Steel Shoe Co., Dept. 59, Racine, Wis.

Dear Sir: Please send at once for free examination
.....Pair.....inch Men's Steel Shoes, Size.....
.....Pair.....inch Boys' Steel Shoes, Size.....
I enclose.....for $..... in payment for same, as per free EXAMINATION OFFER.

Name .....
Town ..... State.....
County ..... R. F. D.....

N. M. RUTHSTEIN, Secretary and Treasurer

STEEL SHOE CO., Dept. 59, RACINE, WIS.

Canadian Factory—Toronto, Canada
Great Britain Factory—Northampton, England

Up-to-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
DIRECTED MARKETING

Volume XIII **NOVEMBER 15, 1910** **Number 22**

Up-to-Date Farming

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J. A. EVERITT, Editor.
JOHN P. STELLE, Associate Editor.

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One year 30 cents, two years 50 cents, five years $1.00. Or two subscribers one year each 50 cents. A club of five, one year each 50 cents; a club of five, one paid in advance. The paper will be stopped on expiration, unless renewed. The latest date on the address is the date of expiration. In renewing always send your address cut from the wrapper, *if possible*. When changing post office, or from one person to another, always give the *old* address as well as the *new*. Always write very distinctly, write so the full address can be read, unmistakably, at a glance. If on a rural route write the letters "R. R." Do not give any more in your address than is necessary to insure prompt delivery.

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You are invited to such a feast of facts, and truths, and helps twice a month for 30 cents a year or five years for $1.00.



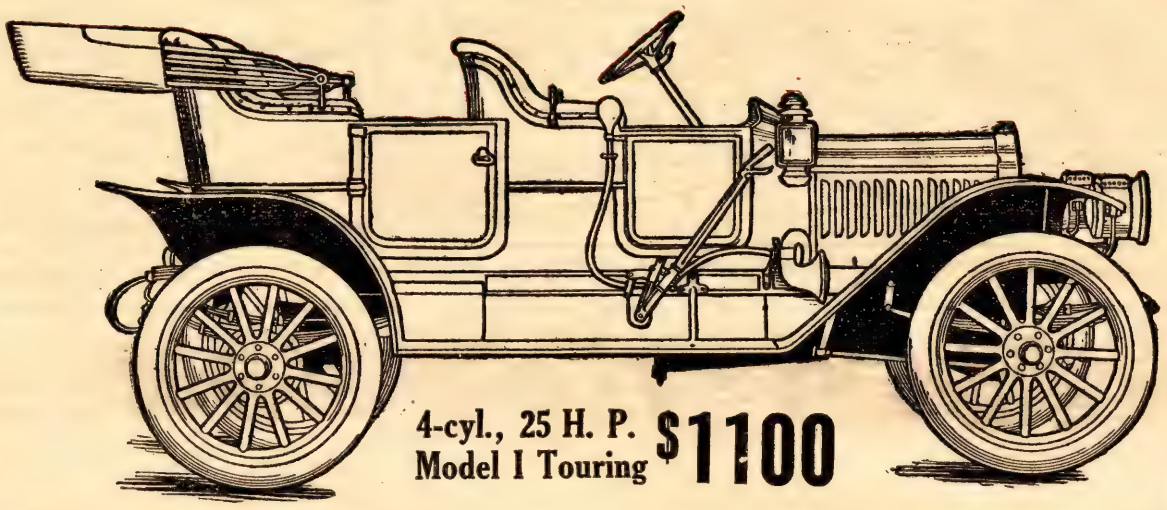
(SEE EDITORIAL ON PAGE 3)

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

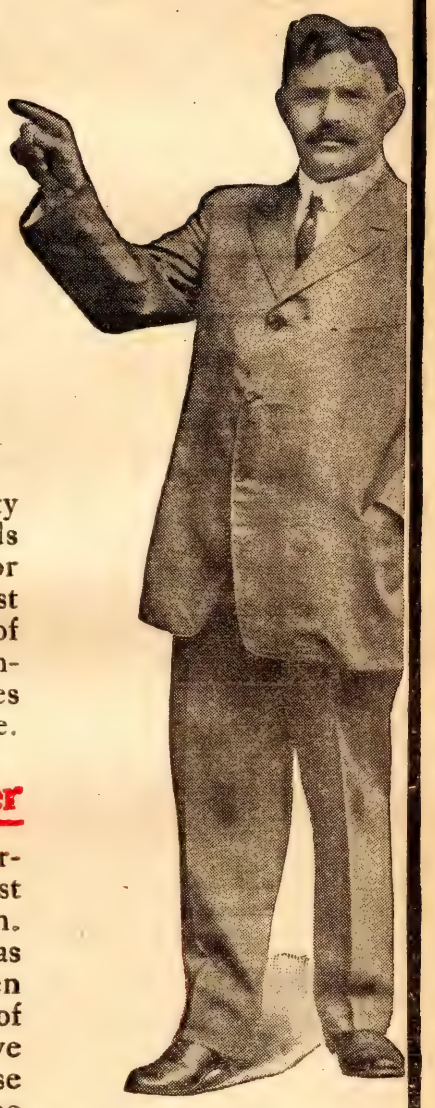
400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

I Built this Maxwell Especially for Farmers



4-cyl., 25 H. P.
Model I Touring **$1100**

Here's the Car you've waited for at a price you can afford.



LAST year we sold 4,227 Maxwell automobiles to farmers. Think of it! This so stirred my enthusiasm that I resolved to design a car for *farmers especially.* One that would stand the hardships and terrific punishment that undeveloped highways, rugged lanes and field-roads present, and yet stand up 365 days in the year.

Typical Farmers' Car

Operating a farm myself, I knew what was wanted. I knew the car must be substantially built of first-class materials. That it must be a big car, adaptable both for business and pleasure, not less than 104" wheel base—to insure perfect comfort. That it must possess ample power—not less than 25 H.P., but no more, to save unnecessary expense. That it must possess simplicity and accessibility of parts to insure economy. Above all, it must be a car of stylish lines and dignified appearance. Such a car I built. The price did not enter into consideration—until my ideals were fully attained—until this car stood for absolute perfection. When I figured up manufacturing cost, to my great surprise I found that owing to the tremendous Maxwell facilities and output I could sell this car at the exceedingly low price of $1100. Such car value was never before known—and I challenge comparison.

Not a City Car

It doesn't pay to sell a car built for city use—fine boulevards and macadam roads—telling the farmer it is the ideal car for the country. This policy may sell the first car, but never the second. The merit of Maxwell cars, together with my Company's policy to help its owners, guarantees—that once a Maxwell owner, always one.

Ask Any Maxwell Owner

Ask any Maxwell owner in your neighborhood his experience. What it has cost him, saved him and produced for him. How it has saved his horses. How it has been the means of keeping young men with their father on the farm because of its money-making possibilities. Above all ask him how it compares in expense with horse-drawn vehicles. Ask him if he believes the Maxwell is a paying investment and a necessity.

Be My Guest Call on the nearest Maxwell dealer—see the new models. I have arranged for him to invite you and your family to ride in any Maxwell you select—at my expense. Be sure and try the Model AB—the new 14 H. P. Farmers' Runabout at $600. Satisfy yourself that all Maxwells work alike—that they are equally reliable—decide that the Maxwell is good enough for you, then place your order for an early delivery. The car will save you money just as it has 39,156 other Maxwell owners.

These Books Free I want to give you all possible information on automobiles. Let me send you our latest catalogue, new "Farmer's Economy Booklet" and other timely literature. I will gladly send you these books free, and the sending places you under no obligation. Write me for them. A postal will do. Just say, "*Mail Books.*"

J. D. Maxwell *President and General Manager*

SALE OF MAXWELLS TO DATE

Sold to Sept. 30, 1910 . . .	37,389
Sold during Oct., 1910 . . .	1,767
Maxwells in use today . . .	39,156

WATCH THE FIGURES GROW

MAXWELL-BRISCOE MOTOR CO.

Hess St., Tarrytown, N. Y.

UP-TO-DATE FARMING

The Only Farm Paper That Teaches Practical Cooperation For Farmers.

PUBLISHED TWICE A MONTH
EQUITY PUBLISHING COMPANY (Inc)
227 WEST WASHINGTON STREET

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EDITORIAL

Does Farming Pay?

THE census of 1900 revealed the fact that farmers were the poorest paid laborers in the country, their earnings, after deducting expenses, being less than that of clerks in stores, mechanics in shops, or laborers in any other lines of effort. Notwithstanding this a comparatively few become well to do. But that condition was usually from the appreciation of the value of land originally acquired free or at a merely nominal price, and not from the profits from crops sold.

Beginning about the year 1903 a change came. That year also the movement, led by this paper, of farmers to control their crops until the real demand needed them started. It ushered in a new era in American agriculture which continued down to 1909, the year on which the 1910 agricultural census is based. This period of about seven years witnessed the years of greatest agricultural production, the lowest visible supplies in recent years and the highest prices for farm products, ever known.

There are then three very remarkable things brought to view and which, as far as the history of this country records, never prevailed at the same time before. Viz., (1) the largest crops, (2) the lowest visible supplies and (3) the highest prices.

It must be admitted that the second could only be because the producers of the large crops held more of them on the farms, and the third was the natural result of the markets not being glutted but constantly seeking the supply, which was in the hands of the producers. Also the other fact that farmers had set the prices on their crops and demanded such prices. As the farmers were in control of the situation, by virtue of having practically all the supply the demand was compelled to seek them and pay their prices.

The 1910 census, when completed will be a wonderfully strong testimony to the common sense displayed by farmers during those years. We designate the last ten years the GOLDEN DECADE **of American agriculture.** It was rich both in the surpassing volume of the crops and the rich money rewards to farmers. At present very few census figures are obtainable, but a recent bulletin relating to Iowa will serve to illustrate our point. We quote from it as follows:

WASHINGTON, Nov. 1.—Within the last decade Iowa has shown material decreases in the total number of its farms, farmers and the extent of farm acreage, but these losses are overshadowed by the enormous increases in the value of farm land, implements and buildings and the expenditures for farm labor. These facts are set forth in a statement issued today by the Census Bureau regarding Iowa's agricultural statistics derived from the recent census of agriculture as a part of the thirteenth decennial census.

From 1900 to 1910 the total value of Iowa farm land rose from $1,256, 752,000 to $2,-799,025,000, an increase of 122.7 per cent; the value of all farms, including buildings, increased from $1,497,555,000 to $3,253,719,-000, a gain of 117.3 per cent; and the value of the buildings alone rose from $240,803,-000 to $454, 694,000, an increase of 88.8 per cent. The value of farm implements and machinery rose from $57,961,000 to $95,-273,000, a gain of 84.4 per cent, and expenditures for labor from $16,376,000 to $24,-732,000, an increase of 51 per cent.

The total number of farms dropped during the decade from 228,622 to 216,807, a decrease of a little more than 5 per cent. The farm acreage reported in 1910 is 33,-905,000, as compared with 34,574,000 in 1900, a decrease of 1.9 per cent.

The following is clipped from UP-TO-DATE FARMING of Jan. 1903, page 3.

The Society of Equity movement will make for the ideal conditions on the farm. Farming will become the preferred profession and farmers will be considered the best people in the land. It will end much of the drudgery of farming and farmers will become rich. They will work shorter hours, pay better wages for help, educate their children, build up their farms and build new houses and barns. Lands will increase in value 50 to 100 per cent. A farm worth $10,000 now will be worth $15,-000 to $20,000 when the farmers live and work according to the plans of this Society.

Have the predictions we made at the beginning of 1903 been fulfilled? The census report for Iowa proves that they have for that State and later ones will prove the same is true for the whole country. Also this paper said eight years ago that profitable prices would not result in over production, but, "the farmer being relieved of the necessity of producing all he can to make both ends meet will work less and will give some of his acres the rest cure which they need." The report confirms our prophecy.

We asked the question, "does farming pay?" Of course we mean, is it profitable now, at the prevailing prices. We admit that it paid better from 1903 to 1909 inclusive than any other time. But new influences are at work now. Or, more correctly speaking, the old influences are at work again and the influences for sensible marketing of farm crops that had such a wonderful effect for several years are relaxed. The destruction of the original society, and the fact that the new one has not fully taken its place yet has left farmers without guide, compass or anchor. Those farmers who looked to this paper for counsel and the minimum prices all through 1903, 4, 5, 6 and 7, were grossly deceived by their new leaders and many of them have gone back to the old method of marketing. Also the hundreds of thousands of other farmers, not members of the Society, or readers of the official paper, who followed the example of the members, have become dumpers again.

There can be no doubt about this. The evidence is seen in the enormous visible supply of grain and markets glutted with vegetables and some kinds of fruit, and the low prices, notwithstanding the crops are not as great as some years in the period of control and high prices.

Farmers should not deceive themselves. Control of crops and gradual marketing did make the good prices enjoyed for several years. Lack of control of crops, overwhelming the real demand and bringing middlemen in competition in price making are making the present low prices. Therefore the remedy is evident and we need not even suggest it.

If controlled marketing, 1903 to 1909, made farming profitable in Iowa, increased the value of farms 122.7 per cent, increased the value of buildings 88.8 per cent, and the value of farm improvements and machinery 84.4 per cent, so the lack of control will even more quickly destroy these values. An acre of ground is valued on its earning ability just the same as a share of stock is. It matters not whether it produces 25 or 100 bushels of crop if they both bring the same money. Money is the gauge of successful farming. The 1909 wheat crop was 737,-189,000 bushels and the price on Nov. 1, (1909) at Chicago, was $1.20. That was a profitable price. The 1910 wheat crop is about 45,000,000 less (691,-769,000 bushels) but the Chicago price Nov. 1, (1910) was only 90 cents. That was an unprofitable price and if it does not improve, or if it goes down 10 or 15 cents more and stays down a year or two the present value of wheat land will be cut in half. Nothing is more certain in human events.

An Iowa farmer testifying recently before the Interstate Commerce Commission in the railroad rate hearing at Chicago said: "The owner of the land in Iowa realizes barely 5.16 per cent. profit, allowing nothing for depreciation. If 10 per cent. was allowed for depreciation, and that is the usual rate, the renter would actually lose $305.00 on every quarter section he works."

In a bulletin issued this year by the Indiana Experiment Station the claim was made that it cost $1.12 to raise a bushel of wheat in Indiana. Does farming pay the Indiana wheat grower if he must sell at 90 cent, basis of Chicago market?

There is no matter of more vital importance to American farmers than the price of their crops. And it is the same with all other classes of our people. There is a satisfaction in raising large crops but the matter of PRICE should be foremost and uppermost in every farmers life. There is grave danger ahead for American agriculture right now. The high standard the industry has set **cannot be maintained** by raising large crops alone, **but by selling them at profitable prices.** And when it comes to profitable prices there are no people on earth **who will give** them to farmers, but farmers **must take them.** And they can if they will live and work by the advice of this paper and market through its system.

Burley Society Fails to Control

IN last issue of UP-TO-DATE FARMING we expressed the fear and our regret that the effort of the Burley Society to control the price and marketing of tobacco would prove a failure. Our fears were well founded. The Burley Society has failed to get satisfactory sales for their pooled tobacco, and the pool of the 1910 crop has been declared off.

We regret this very much, for any failure on the part of the growers of any crop, or any part of them, to control prices and marketing, whether on wise or unwise plans, is depressing in its effect on all other efforts, and delays the accomplishment for which we are so earnestly striving.

But this failure of the Burley tobacco society and its pretended allies, unfortunate though it is, ought not to discourage the growers. They have undoubtedly seen enough to convince them that farmers CAN control their crops and the prices and marketing of them when they go about it in the right way. We believed from the beginning that the Burley Society's effort would fail, though we hoped otherwise, for our interest is with the growers and we wish them to succeed. But when that more than doubtful element, the leaders of the rebellious faction of the Equity Society, after a bitter fight, pretended to join in with the Burley Society on a plan that was not the Equity plan at all, we knew that we were hoping against hope. Many of the best growers believed as we did, and refused to enter the pools. Against these a relentless fight was waged, and estrangement and bitterness naturally followed. Much extravagance and heavy exactions are talked about, but it is not our purpose to discuss them now.

What we wish to do is to keep the TRUE EQUITY PLAN before the growers. So long as that was adhered to success crowned every effort. The Equity plan is a BUSINESS plan, and not only that, but it is a plan that involves no capital stock, only intelligence in working it out. We do not mean that the Burley leaders lack intelligence. Not a bit of it. But the intelligence to which we refer, is the intelligence that is acquired at headquarters and is freely given to the growers as to supply and demand, real marketing conditions, future possibilities and probabilities, so that they, the growers, may act on genuine information as to setting and growing their crops as well as in harvesting and marketing them. And it does all this at the expense of the Society and not at the cost of the growers, except as they may pay their simple share in society dues.

The true Equity plan protects the growers. That is its great intent and purpose. It guarantees to them remunerative prices for all crops; but it is based on EQUITY. It recognizes the rights of buyers and consumers. To ignore the buyers, and regard them as mere antomatons to do the seller's bidding is not equity. If any two people in all business relations should be friends, they are the buyer and the seller. When either ignores the other inequity is the result, and when the producer forgets the consumer and necessary middlemen the equilibrium between man and man is disturbed and injustice is very likely to follow.

We could give many reasons for the failure of the Burley people, and we may give them in detail in future articles, but the above simple statements are sufficient to show the wide awake tobacco growers wherein the effort that failed differed from the Equity plan. We ask such growers to be of good courage. The true Equity plan is available, and it is effective because it is simple and just; and it will eventually bring all farmers out of the one-sided position they have so long occupied, and make them business equals in the commercial world, guaranteeing to them such prices for their products as will assure them remuneration in proportion to that of other classes. A failure outside of Equity is to be regretted, it is true, but it is not a cause for discouragement. The hands of Equity are extended to all tillers of the soil.

20,000

Friends of this paper sending 5 new subscribers each will make our circulation (including present subscribers) a quarter of a million, and every subscriber would realize such an advance on all his crops as to make it pay him a thousand per cent. on the investment. TRY IT.

Marketing Cotton Through the Equity System

Southern farmers will be glad to hear that they can now market their cotton through THE EQUITY SYSTEM direct to the manufacturers and exporters; or, if they prefer to hold it for a higher price, the F. S. E. minimum price of 15 cents, for instance, The Equity System will store it on terms such as were not possible to secure before.

To Sell Cotton.

If you live in Texas or Oklahoma, or in any place convenient to Galveston, which is the greatest cotton market in the world, today, ship your cotton to THE EQUITY SYSTEM, Galveston, Texas. with your instructions. Mr. Geo. Sgitcovich, representative of The Equity System will give all shipments his personal attention, sell at the highest price that can be obtained and make immediate settlement. If you wish it he will remit as much as $40 a ton the day notice of shipment and original bill of lading reaches him, or the shipper may draw for that amount against his bill of lading. Mr. Sgitcovich will always undertake to seek out the representatives of manufacturing companies in this country, who are always present on this market and sell direct to them; or the representatives of foreign manufacturers or importers. Also, it often happens that there is a steamer loaded and ready to sail, but needs 500 to 1,000 bales more. He will constantly keep a line on such and get the premium they will pay for our patrons.

To Store Cotton.

Make the shipment to THE EQUITY SYSTEM, with instructions to store. You can say "Store for 15c" or any other sum; or store for a definite length of time, or leave the time and price undecided. If you need money, $40.00 per bale will be remitted as soon as the original bill of lading is received, or the shipper may draw against the bill of lading for $40.00 a bale.

Six per cent interest will be charged for the money advanced and the storage charge will be 35 cents a bale per month after the first 30 days (there will be no charge for the first 30 days), which includes insurance. A commission of 3 per cent will be charged for all other expenses including handling, sampling, re-pressing when necessary, selling, etc.

Cotton growers will recognize in this arrangement some of the things long sought by southern farmers and they should embrace the opportunity offered them and gather the benefits of direct sales, or personal storage instead of allowing their cotton to pass into the hands of speculators.



In a letter just received from our representative he said: "If cotton growers will take advantage of the facilities offered to store their cotton here they will be able to get a good deal better price than to sell now. The general opinion here is that cotton will sell for 15c or more in the next three or four months. If too much is rushed on the market now the price will be lower. Don't let cotton be exposed to the weather."

The same arrangements have been made in New Orleans and Mobile and other markets will be included as soon as possible.

Correspond with The Equity System in any of these markets for any further details, if deemed necessary and get the cooperation of our local representative.

THE AUTO ON THE FARM

A writer in one of our exchanges says he owns a farm of 500 acres, and finds that in order to properly operate it, he has to use two automobiles. He saves two-thirds of the time it ordinarily takes to do the everyday errands—taking eggs to market, milk to the creamery, stock to market and trips requiring speed and dispatch.

An automobile on the farm enables one to gain much time over trams, especially at the ordinary depot where one has to waste many minutes and sometimes hours, waiting for the train. In addition one is spared the dirt and smoke of the train, and is out in the open, inhaling great breaths of fresh air, and enjoying the ride to the limit.

If farmers will buy automobiles built for country roads, strong, serviceable and durable machines, they will have no cause for trouble in keeping them in repair. Before buying read up on the mechanism of the machine, study the different makes as closely as you would a binder or any other implement, and you will be able to select the car that is suited to your.

It costs less to care for a good machine than it does to feed a team of horses, and there are many things they do that is beyond the team. Of course the horse is here to stay, but so is the automobile, and the up-to-date farmer will lose no time in investigating the adaptability of one for his farm.

WHERE TO STORE GASOLINE

As gasoline is not only very inflammable, but quickly vaporizes, the nature of the storage tank has become a matter of considerable importance to farmers. The wooden barrel is not a very satisfactory vessel in which to store it. Metal tanks have proved to be the best.

They are placed in the ground and the gasoline is pumped out of them by means of small pumps made for that purpose. This is not only a convenient arrangement but the greatest benefit lies in the fact that the gasoline can be stored with absolutely no risw. If a strong, well-made tank is used there is no chance of loss through evaporation, which is an item of considerable importance.—Exchange.

Encouraging Cholly

"I'm doing my best to get ahead'," asserted Chollie. "Well, heaven knows you need one," assented Dollie.—*Toledo Blade.*



Galloway No Longer a "Joke" to His Competitors

NOW I'm back again for 1911 with Bigger, Better Propositions than ever. Five years ago manufacturers of "priced-high" machines took Galloway for a "Joke." Today they are wondering how I could build up such an enormous business direct with the Farmers of America. In such a short time, too. And today I have thousands upon tens of thousands of satisfied customers among the Farmers of America—everywhere. Will you join us?

Why can't you and I deal together—direct—without a lot of middlemen getting a *chunk* of *your* money?

You've seen me coming here to these pages with more lines—larger capacity, better propositions and lower prices every season.

Last year I gained about 35,000 more satisfied customers this way.

5 Years Ago

Only 5 years ago manufacturers of high-priced farm implements took Galloway's Way for a "joke."

They didn't see how I could do it.

My success is not a secret. It is an open book.

I was raised on an Iowa Farm. My people bought farm implements the same as other farmers.

They paid the long prices the same as other farmers paid.

While using those implements I got to wondering what they actually cost to make, and when I left the farm I started work for an Implement Manufacturer who sold through agents and dealers.

I found out their tremendous manufacturing profits, and the expenses of brokers—jobbers, traveling salesmen, etc., which they put into their high prices—all paid out of the Farmers' Pockets.

Then I went into the manufacturing business myself.

They didn't see how I could do it—with my small means and a family to take care of.

But I knew that the Farmers would be with me if I gave them high quality and a square deal—sold direct, and gave them the savings on my wholesale factory prices.

And you never saw me starting to make any machine except what the Dealers and Manufacturers get the long price for. And you never will.

Here's my Galloway Line, and you'll find that my prices save you from $25 to $300 on any Galloway Machine, according to what you want, from the smallest capacity to the largest: Manure Spreaders—Gasoline Engines—Cream Separators, etc.—(and watch out for my Automobile Announcement before long.)

Here Are At Least 8 Good Reasons Why You Should Buy Direct

I ask your opinion of the following 8 reasons for buying direct from my factories. Will you write me to prove that I can and do make good on every one of them?

1. Highest Quality—I am a crank on quality, and you can't buy better machines than mine, no matter how much more you might pay.

2. Lowest Prices—My prices save you from $25 to $300, according to what machine or capacity you decide upon. You can't buy anything of me without saving good money.

3. Free Trial—I give you from 30 days to a year free trial if you want it, and you to be the sole judge of satisfaction by use of my machine on your work.

4. Freight Prepaid—My prices to you include freight prepaid on manure spreaders and cream separators—safe delivery guaranteed.

5. Binding Money-Back Guarantee—All you've got to do is to say, "Galloway, I don't like the goods. Send me back my money." And when I hear this from you I'll write you a check for the cost of the machinery, any freight that you may have paid and include interest on your money for the time I have had it.

6. Tens of Thousands of Satisfied Customers—My free books on each Galloway machine contain all the testimonials you'll want to read—from every state and county in the U. S.

7. Dealing Direct With Factory—Saves you and me all middlemen's profits. No dealer or broker or traveling salesman gets a chunk of your money.

8. Safest Way of Buying—The U. S. mails are the safest way to conduct business. Everything is in writing—or printed and signed and sent through the mails. No chance for misunderstanding. No "verbal" agreements.

—and NOW

I want YOU YOURSELF to know my "See It Work" Plan. I'll give you every chance—with NO RISK TO YOU.

I make the best machines I know how in my tremendous, modern, well-equipped factories.

I had rather sell 50,000 machines at a $5.00 profit on each one than 10,000 machines at a $25.00 profit on each one.

What I'm after is to have with me the grandest organization of Farmers that the country ever saw, and together we shall be able to positively stop these other fellows who fatten upon the sharp necessities of the farmer.

Think this over. Consider it well, and tell me whose side are you on?

Whose Pocket Shall the Money Jingle In, Yours or the Dealer's?

I tell you we are doing a business which has set the implement world by the ears—a business which is showing the Farmers of the United States that I am fighting your battles here at Waterloo. Tell me which side are you on?

Are you on the side of the dealers, agents, jobbers and the trusts which are organized against you; or on my side and with my organization established by me for the purpose of putting out the biggest volume of the best goods at the lowest possible price—with a square deal to every one.

I want to hear from you and it won't cost you anything to make this independent investigation.

Will YOU write me this time?

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President

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time had the same amount of crop left, thirty bushels per acre to pay for the cultivation and for the profit, the same as on his old land, yet after being cleared the new land was worth $40.00 an acre more than before. Thousands of practical farmers have had similar experience.

HINTS ON FARM STORAGE.

IT is an easier matter to keep fruits and vegetables on the farm during the winter than many farmers suppose. The main essential is an even temperature as near to the freezing point as possible but never to reach it. Of course, on the ordinary farm with no special preparation it is difficult to secure so low a temperature, but sound winter apples and many of the earlier keeping vegetables will keep nicely in a much higher temperature, such a temperature as may be found in any dry and well ventilated underground cellar, say 40 degrees.

Not many farmers, however, have such cellars, and other means may be employed with equal success. The basement of a barn, or any room or building that has such walls as will not too readily admit the warm air from the autside may be used successfully. Apples should be packed loosely in barrels or boxes. Potatoes and onions may be treated in the same way, though they may be stored in bulk, but not too many together, especially the onions should not be piled up but spread out from six to ten inches in depth. Cabbage should be pulled and stored with stem and root on. Beets and carrots may be kept in the same way. It is not so easy to keep sweet potatoes in the north but they may be kept in the same room by packing in barrels or boxes in dry earth dust. First put in an inch of dust, then a layer of sweet potatoes; cover with dust and put in another layer of potatoes, and so on until the box or barrel is full, thoroughly covering the last layer with dust. The important thing in this operation is the dryness of the dust.

Such a room as we are considering will admit freezing in cold weather. Therefore, as freezing weather approaches the articles so stored will need other protection, which may be given by covering lightly with straw or hay. This covering should be increased as the cold increases, and care must be exercised to do the covering before the cold comes. A single cold night may spoil the entire effort. And in putting on the covering no openings must be left, and whatever is used must be packed down between the stored articles and the walls, and the floor should be covered to a depth of some inches before the articles are put in.

Articles so stored may be taken out a few at a time, and used during the winter, care being taken to disturb only those removed, and replacing the covering as it was before.

On the Level

"Do you assimilate your food, aunty?"
"No, I doesn't, sah. I buys it open an' honest, sah."—*Baltimore American.*

Get this Genuine Alectride Tool

Grinder on Free Trial

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Please send me free and prepaid booklets explaining your free trial offer of your Alectride Tool Grinder.
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Sharpen your tools at my expense. I want to show you that the ancient grindstone is a back number and that the emery wheel is a menace. I want you to try positively free this genuine Alectride Farm Tool Grinder. Alectride is the only true abrasive. **It will not draw the temper from steel;** it will sharpen the dullest tool in from 3 to 5 minutes, when the grindstone would take half an hour. Alectride **never** wears out. It does not glaze over. I want to send a few of these machines out on **Free Trial** in every part of the United States. I want to put one in every locality. I want you to clip off and send the coupon at the upper right hand corner of this announcement and I will mail at once circulars explaining every detail of the offer I am making here.

I Don't Want You to Send Me a Cent of Your Money. I Don't Want Any Promise

I merely want to place this Genuine Alectride Grinder on your farm for a few days. Sharpen your dull axe, your dull scythe, your dull corn knives, your dull cold chisels, or hatchet, or any dull tool you have. See how quickly and how easily it is done. See how Alectride (made of the substance of precious stones) sharpens your tools in from one-fourth to one-twenty-fifth of the time required by a grindstone and does not heat nor draw the temper. Do all this—give this machine the most severe tests—then unless you think that you positively cannot get along without this Alectride Tool Grinder, send it back at our expense. We'll ask no questions. We'll take it back without a word, and we'll pay the transportation charges. Now send the coupon. Let us tell you all about this wonderful abrasive and our free trial offer.

Remember—Alectride is really manufactured precious stones. It is even *harder* than the hardest diamond. Alectride will scratch a diamond and cut glass like a knife cuts an apple. Send the coupon today and get full explanation of our **Great 10 Day Free Trial Offer.** Do this now. Do not delay.

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A CART LOAD OF FUN

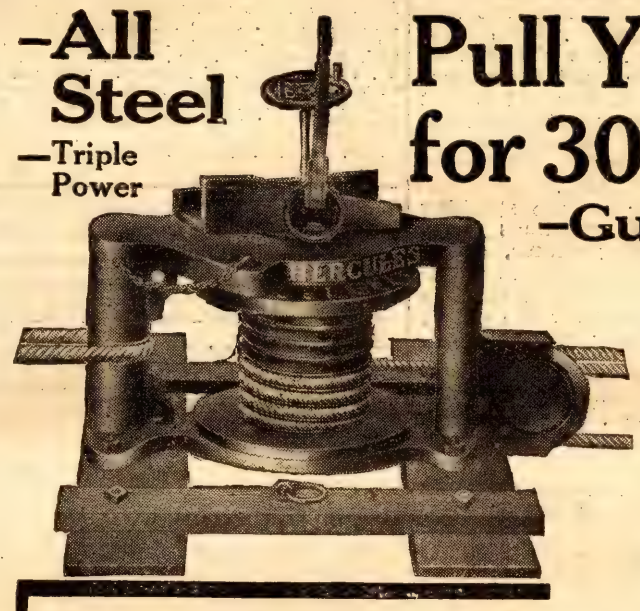
This is the name of our book that should be in every home. More fun to the square inch than a cage of monkeys. A "cart-load" indeed. Space will not permit of our telling much about this book. Take our word for it, that it is worth many times our price. If you are not satisfied we return your money on request. Among the titles of the anecdotes and stories contained in "A CART LOAD OF FUN" are the following: "A Man with a Liver," "Pumpkin Pie," "Potts and the Lightning-Rod Man," "How to Go-a-Courting," Baumgartner's Dog," "Stowe's Elephant Story," "Marriage a Scheme to Manufacture Happiness," "Mrs. Jones' Burglar," "Deacon Amos Tenderloin Discusses Dudes," The Sad Case of Fillay du Biff," "A Primeval Scrap," "A One-Horse Hotel," "He Concluded not to Commit Suicide," "Queerly Married," "Hannah was Aroused," "How the Tired Patient Man had His Feelings Upset," "Jone's Baby," "Breaking up a Cat Concert," and 148 others. "A CART LOAD OF FUN" is a book of 64 large double column, pages, neatly bound in attractive colored paper covers price 10c each, 3 for 25c; postpaid. **COONER & FORTUNE CO., Indianapolis** **FOR 10 cts.**

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There is no more excuse for stumpy fields. We want you to try a Hercules All-Steel Triple-Power Stump Puller for 30 days Free, so that you can prove to yourself how easy and how sure and economical it pulls the largest stumps as well as the small ones, green trees and hedge rows.

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You may have had trouble with the old style cast iron grubbers breaking, but the New Hercules Genuine Steel Triple Power pullers are in a class by themselves, entirely different from anything you ever saw before. They are 60% lighter in weight which makes them handy, quick, easy to handle, nothing like the heavy, cumbersome, unwieldy, cast iron grubbers you have been used to. They are 400% stronger than the old fashioned iron machines, which make them absolutely safe under all conditions. That's why we can let you try them on your land for 30 days at our risk.

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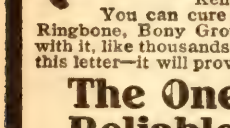


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AN UP-TO-DATE BOY

Little Boy Blue didn't lose his sheep,
Nor did he have to find them;
He was near them reading Up-to-Date,
And didn't neglect to mind them.

A GOOD COURSE FOR FARMERS

AN Iowa farmer who keeps about thirty cows and raises perhaps that many calves himself, buys in the fall as many more as he can handle. These he houses comfortably during the winter, and feeds so as to keep them thrifty and growing. The feed need not be of the most expensive kind, but it should be rich in protein—clover or alfalfa hay, pea hay, or even redtop, with some grain and such other feed as may be available on almost any farm, including the cornstalk pastures.

These calves he brings out of the winter in good condition, heavier and larger than they were the fall before. He has good early pastures to turn them on, still supplementing with a little grain, until the pastures are well established and adequate. He also makes provision for the shortage of pastures during the waning summer. What arrangement to this end is best to make each farmer must decide for himself, guided by the conditions in his locality. The object is to keep the calves thrifty and growing.

The Iowa farmer we are speaking of takes the calves, yearlings now, through the following winter, giving them not only feed for growth and development, but for fattening also, so as to have them ready for the spring market, which is never over supplied, and almost always may be relied on for a good price.

Many farmers, however, who follow a similar plan, prefer to sell on the fall market after the first winter. In that case they finish on the grass. The price is generally not so good, but the pounds have not cost so much to make them.

STOCK TO WINTER.

NOW is the time to consider what stock you are to keep through the winter. You would not think of pouring meal or flour or other valuable thing in the creek merely to see it float away. It is not much better to give valuable feed to stock that can in no way pay for it. Whatever animal is not doing service or is to do service when needed, or that is not increasing in size and value, or that is not giving milk, or that is not expected to add to its value by the production of young, or in some way rendering value for value, is an unprofitable animal, and it is a loss to winter it.

Sometimes sentiment comes to the rescue of an unprofitable animal, and we gladly feed it and care for it for what it has done, or for something connected with its history. That sentiment is chivalrous, and we gladly sustain it; but otherwise it is good management to dispose of all the stock that will not in some way pay for their winter feed.

COW HOLDING UP MILK

MRS. J. A. DOCKRAY, a California subscriber, reports that she has a cow good in every respect except that she "holds up her milk" at will. In other words, sometimes she milks easily and freely to her full capacity, and at other times with no apparent cause, it is difficult to get milk from her at all. This is by no means an unusual complaint. We have heard it in our own neighborhood, and have had similar cases ourselves. Our friend says: "If among all the thousands of farmers who read your UP-TO-DATE paper, one of them knows and will tell the rest of us a remedy, I at least will be grateful." We will gladly publish suggested remedies.

HOGS SUFFER FROM COLD

FEW domestic animals suffer from cold as does the hog. The crowding together during a cold night, each trying to get in the middle, and each telling of his discomfort by his restlessness and squealing, gives abundant evidence. The modern hog has a very thin coating of hair, which does not lie close, as does the hair of most animals, and it, therefore, affords very little protection. Hogs are subject to pneumonia, and often die of that disease when the death is attributed to cholera.

For these reasons, the progressive farmer and successful hog raiser provides dry, comfortable quarters for the hogs, especially for them to sleep in and to protect them from cold storms. We would not keep stock hogs too closely confined, but they should be protected from the cold, especially from rains and snow storms.

Puffs and other enlargements detract from the value and usefulness of a horse. Absorbine will cause all such enlargements to disappear. The report from H. P. Baker, Coatesville, Pa., under date of Sept. 29, 1910, will be of interest. "I am a user of your Absorbine and have had some wonderful effects from its use, and use it as a cure-all for everything that happens to the horse." Pamphlet free. W. F. Young, P. D. F., 102 Temple Street, Springfield, Mass.

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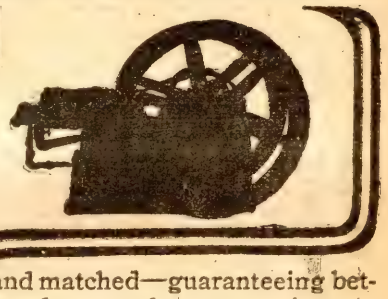


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I Will Show You How To Cure Yours FREE!

I was helpless and bed-ridden for years from a double rupture. No truss could hold. Doctors said I would die if not operated on. I fooled them all and cured myself by a simple discovery. I will send the cure free by mail if you write for it. It cured me and has since cured thousands. It will cure you.

Fill out the coupon below and mail it to me today

Free Rupture-Cure Coupon

CAPT. W. A. COLLINGS,
Box 606 Watertown, N. Y.
Dear Sir:—Please send me free of all cost your New Discovery for the Cure of Rupture.

Name.....
Address.....
.....

HOG THOUGHTS

FARMERS used to think fattening hogs should be closely confined. Those were days when hogs were allowed to run on the range until they were too or three years old and fully grown before they were put up to fatten. Now hogs are expected to grow while they are fattening, and it is necessary for them to have exercise. Do not confine too closely.

The farmer who pays no attention to his hogs during summer, will not have the most profitable ones when he feeds to fatten.

Pigs may be overfed and overfeeding is expensive; it wastes feed and harms the pigs. Feed a plenty, but not too much. Good judgment is needed more in farming than in any other calling.

Hogs are considered dirty animals, but they sure do relish clean feed. Never feed in troughs partly filled with litter or mud. Clean out the troughs.

Give the hogs warm places in which to sleep in winter. Listen to their squealing when a bunch of them is left to sleep out in the cold.

The hog is the poor man's friend, and no farmer can well afford to be without at least a sow and pigs. These animals require feed, but they pay for it. Don't waste anything a hog will eat with profit.

If the hogs get lousy fasten rags upon their rubbing places and saturated with coal oil.

GENTLE HORSES.

A GENTLE, good dispositioned horse is worth a great deal more on the farm, other things being equal, than is one that is not. And the time to gentle the horse and form its character, create its disposition, is when it is a colt. The colt is never too young to be handled and fondled. It should never go through its first winter without being made gentle. Allay its fears and teach it to have confidence. Frequent rubbing and handling while the mother is eating is a good way to begin. Accustom it to the halter, and frequently tie it up for a short time; but when this is done be very sure that it cannot get loose. This is the time to spoil a colt as well as to gentle it. Never undertake with it anything you do not fully accomplish. It must know nothing of failure so far as your plans are concerned. Never scare the colt, or allow it to be scared, if you can help it. Teach it to consider itself safe in any position, and to regard humans as its friends. Colts are as teachable as children, and they require much the same methods to make them good and tractable.

READ AND REMEMBER.

The following brief notes we clip from an exchange:

In purchasing a new horse, always purchase a mare. She will raise you some colts which will increase the farm profits.

Keep all the live stock on the farm that the land will support. By right handling the land will increase in fertility so that each year more can be kept.

Let the colts in the stable and feed them at the same time with the work horses. It never pays to keep a hungry colt. The more feed it consumes in a proper way the faster it will grow into money.

Begin to train the colt early. Teach it early to remain tied and to lead. Always use a strong halter, so that it will never know what it means to break loose.

Many farmers are making extra money this season because they have a gasoline engine. They are furnishing power for their neighbors, such as sawing wood, baling straw, shredding fodder, etc., and in many cases quickly receive enough money from this work to pay for their entire power plant. If you are considering buying an engine, don't neglect writing to the Temple Pump Co., 456 W. 15th St., Chicago, Ill.

Every reader who is not now a subscriber to the Youth's Companion, should read their big offer in Nov. 1 issue. They agree to send their paper—the best published for the home—the rest of 1910 free, and in addition a handsome work of art. It is a magnificent offer. Read it now and send today.

DE LAVAL BUTTER
Triumphs As Usual
At National Dairy Show

At the fifth great NATIONAL DAIRY SHOW held at the Coliseum in Chicago, October 20th-29th, butter produced through the use of DE LAVAL Cream Separators made the usual clean sweep of all the higher awards, just as at previous National Dairy Shows as well as all the contests of the National Buttermakers Association since its organization in 1892.

This highest award at the great Dairy Show this year went to Albert Camp, of Owatonna, Minn., with a score of 97, and the second highest award to B. A. Hass, of McFarland, Wis., with a score of 96.66, both DE LAVAL users.

In the seven great State Contests for Silver Cups, five of the Cup winners were DE LAVAL users and one was an exhibit made from cream gathered from farm separators largely DE LAVAL.

Year after year, dating back to the invention of the "ALPHA-DISC" system of DE LAVAL bowl construction, butter made by users of DE LAVAL machines has scored highest and won all highest awards at every large and thoroughly representative butter contest throughout the world.

The explanation is to be found in the ideal design and construction of the DE LAVAL separating bowls and their comparatively low necessary speed, which enables the production of cream of even texture in perfect condition for superior buttermaking, an advantage which is never possible in the use of any gravity creaming system and seldom in that of any other centrifugal separator.

Hence the indisputable fact, established by twenty years of world's records, that DE LAVAL Cream Separators produce not only the MOST but the BEST cream and butter.

THE DE LAVAL SEPARATOR CO.

165-167 BROADWAY **NEW YORK** | 42 E. MADISON STREET **CHICAGO** | DRUMM & SACRAMENTO STS **SAN FRANCISCO**
978-177 WILLIAM STREET **MONTREAL** | 14 & 18 PRINCESS STREET **WINNIPEG** | 1016 WESTERN AVENUE **SEATTLE**



DANIEL'S MEAT SALTER

Puts the salt at the bone, right where the joints sour, and in liquid form to be immediately absorbed. Take no risk with your joints. Pork is too high to lose.

One Joint Saved Pays for the Salter
and it saves all of them.

The following from a physician tells the whole story:

MASONVILLE, KY.

I am writing to say that I have used your Farmers Meat Salter and find it will do all you claim for it. It enables one to place the salt solution where decomposition first begins—around the bone. You cannot attain this by any other method, so I unhesitatingly recommend your instrument to anyone desiring to cure joints of meat.
DR. J. W. ELLIS.

Ask your dealer or send $3.00 for one by mail, to

THE T. J. TURLEY CO., Sole Agents
(INCORPORATED)
Free Booklet for the Asking **OWENSBORO, KENTUCKY**



Wt. 30 lbs

$3.00 The Family Grist Mill
Should Be In Every Home

This little mill has a well deserved reputation as the best of its class. Hand power. Can be attached to table, bin or box. Grinds corn, oats, barley, coffee, etc. You can make your own corn meal and graham flour fresh every day. Just the thing for cracking grain for poultry. Capacity, 40 lbs. of coarse meal, or 25 lbs. of fine meal per hour. Made on honor and will wear a lifetime. **Price** **$3.00**

We received the Family Grist Mill, and find it as represented. Would not sell it at any price, if I could not get another. Our neighbors think it a grand mill, and you will get several orders from our town.
Mrs. A. F. Brown, Milton, Ill.

O. K. SEED STORE, Indianapolis, Indiana

FREE! FREE! FREE!

No. 2 Gate Opening and Closing Fixtures complete except pulleys, rope and levers



In order to advertise we offer to the first in a township one of our steel frame wire gates for $4.75 and with it **Free** a set of No. 3 gate castings as above. Money back if not satisfied upon return of goods prepaid. If you have any ability as an agent, we can show you how to make $100.00 from an outlay of $3.00. Order a gate today before you forget it.

THORPE GATE CO., Wapella, Illinois

FARM FENCE

13¾ cts. a rod For a 20-inch or 15 cts. for 26 in. Hog Fence; 28 cts. for 50-inch poultry fence. **Sold direct to the farmer on 30 DAYS FREE TRIAL.** Special barb wire, 80-rod spool, $1.55. Catalog free.

INTERLOCKING FENCE CO. BOX 45 MORTON, ILLINOIS.

BROWN FENCE

Rust Proof - Bull Strong

Fences for horses, cattle, sheep, hogs, chickens, etc. 160 styles. **BARGAIN PRICES: 14 Cents Per Rod Up.** *We pay the freight.* Lawn Fences and Gates. Free catalog and sample. **The Brown Fence & Wire Co., DEPT. 70 CLEVELAND, OHIO**

13¼ Cents a Rod

For 18-in. 14 3-4c for 22-in. Hog Fence; 15c for 26-inch; 18 3-4c for 32-inch; 25c for a 47-inch Farm Fence. 48-inch Poultry fence 28 1-2c. **Sold on 30 days trial.** 80 rod spool Ideal Barb Wire $1.55 Catalogue free.

KITSELMAN BROS., Box 289 MUNCIE, IND.

Don't Rust Farm Fence

Extra heavily galvanized. Sold direct to farmers at manufacturers' prices, 30 days' free trial. Freight prepaid. Also Poultry and Ornamental Wire and Iron Fences. Catalogue free. Write for special offer. **The Ward Fence Co., Box 331 Decatur, Ind.**

48 IN. FENCE a rod 25c

Best high carbon coiled steel wire. Easy to stretch over hills and hollows. **FREE** Catalog—fences, tools. Buy from factory at wholesale prices. Write today to Box 71

MASON FENCE CO., LEESBURG, O.

FENCE Strongest Made

Made of **High Carbon Double Strength** Coiled Wire. **Heavily Galvanized** to prevent rust. **Have no agents. Sell at factory prices on 30 days' free trial.** We pay all freight. 37 heights of farm and poultry fence. **Catalog Free.**

COILED SPRING FENCE CO. Box 88 Winchester, Indiana.

White Plymouth Rocks

CORRECT TYPE

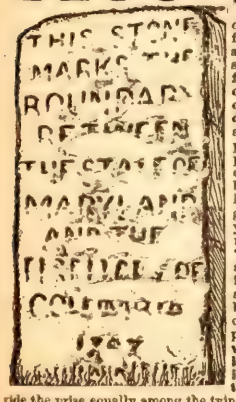
Indian Runner Ducks

Booking orders now for Duck Eggs to be delivered next spring. Send in your orders.

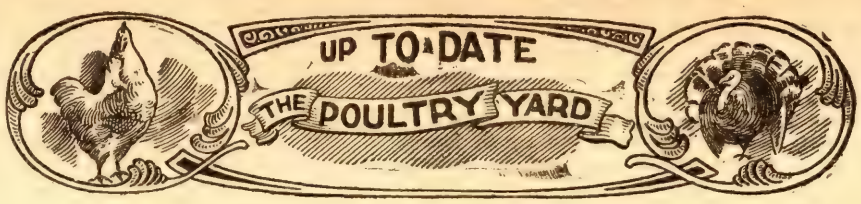
J. B. HOWE, Judge, Box M, Fortville, Indiana

X-RAY KATHODOSCOPE. Latest pocket curiosity Everybody wants it; tells the time on watch through cloth. Apparently see your fellow, best girl or any object through cloth wood or stone, any distance, all climates; lasts lifetime; always ready for use. Price, 25c. stamps or silver **Alden & Co., Sta. A, Indianapolis, Ind.**

$100 PRIZE



A weather beaten old stone marker of which this is a picture was lately found near Washington. See if you are smart enough to tell what it says. **$100** in cash is to be given for correct answers. This is a sample of the many original and instructive competitions the **Pathfinder** conducts. Our contests are not of the silly sort, but are made to interest people of brains, such as would appreciate the **Pathfinder**—which is everywhere called the brightest and best family **weekly** there is. Published at the Nation's Capital; gives gist of world's news and everything you want to know; all in a nutshell; non-partisan, reliable, entertaining—**THE** paper for the home. Send your answer to the puzzle at once, inclosing **25** cents for trial **13 weeks'** subscription and you will call it the best investment of your life. Contest closes Dec. 15, 1910; prizes awarded promptly and fairly. To the person **who correctly decipers this inscription we will pay $100 in cash.** If there should be more than one correct answer we will divide the prize equally among the tying contestants. You mustn't miss this chance Pathfinder **13 weeks 25c** and **Cash Prize** if reading is correct. Address: **The Pathfinder, Box 38, Washington, D. C.**



THEY ALL SAY IT

The rooster crows upon the fence,
The hen is cackling at her nest,
The pigs are grunting in the lot,
And cows are mooing with the rest.

The horses neigh within their stalls,
The sheep are bleating in the fields,
And all the acres of the farm
Are sending in abundant yields.

And prices is good. What does it mean,
This strangely prosperous, happy state?
All things are saying plain to me,
"It's what is taught by Up-to-Date!"

THE MAN BEHIND THE HEN

THE man behind the plow is an important fellow, and he will continue to be so; but he has a formidable rival now in the man behind the hen. The hen has grown to be just about the biggest thing on the farm, and the farmer who gives her a good chance, or makes provision that the wife and children may give her a good chance, himself helping whenever it is necessary, is the farmer that will have the most prosperous family and the biggest bank account.

Let the hens scratch. It is their nature. In fact, encourage them to scratch, except in the yard and garden, but do not depend upon their getting any essential element of feed in that way. Give them something to scratch for every day in the year, and a place to scratch in. It is easy to know the essentials of poultry life and health, and the fowls must have those essentials—nourishing feed, water, grit and the elements of egg production, in their daily ration, and plenty of healthful exercise, including the ever ready dust bath. It is not necessary that the fowls have a ten acre field in which to get the exercise, but if their range is limited, the feed or a portion of it should be given in such a way as to encourage them to hustle for it. The man behind the hen need not be told how to work that out. If he is progressive he knows, and he will provide for it.

THE INCUBATOR.

HAVE you ever tried an incubator? Don't you think you would like to try one? The incubator has become a very simple machine, and it is rapidly coming into use on the farms. It needs attention when in use, of course, and so do the chicks after they are hatched; and the same is true in almost as great a degree of setting hens and the chicks hatched by them. An advantage is that the incubator hatches any time in the year, and the earlier young chicks can be brought into the market the higher the price. Besides, while the incubator is doing the work of the setting hens the hens may be laying, a matter of no little importance at the prices paid for eggs.

INDIAN RUNNER DUCKS

The Indian Runner Duck is supposed to have been introduced into England by a sea captain and from there here. Breeders have been improving the strain since. They are splendid layers, many claiming they will lay 280 eggs a year. Ducks are as easy to keep as chickens. They do not require special feed any more than chickens do. A pond or tank of water is not necessary. Of course a running stream or pond of water would be nice; but plenty of water to drink is all that they require. Those who keep them say the duck is a great money maker.

KEEP THE POULTRY HAPPY

(By Mrs. J. B. Howe.)

Did you ever notice the difference between a cheerful and a dejected looking fowl? Well there is a difference as every observing poulterer knows. A difference in looks, a difference in profit to the owner.

Fowls that are treated roughly, spoken to brusquely, scared, dogged, etc., cannot be happy and are therefore unthrifty.. It pays in satisfaction, and it pays in dollars and cents to keep the fowls tame, to handle them gently, to talk to them soothingly, when for any unavoidable reason they have been subjected to unusual treatment.

When, as is often necessary, you have to go among them in the evening, and perhaps catch some of them, and carry them away by the light of the lantern to a new roosting place, and, in their terror they resented such unusual treatment by a series of unearthly squacks, have you ever tried to soothe them by talking to them and found that the sound of your familiar voice quieted them and they seemed to answer back, as much as to say, "O, if it is you, our kind mistress, doing this, it must be all right?

Of course you were not carying them head downward, but had them humanely held by the legs, with wing securely pinioned between your arm and body. Then there was no struggling of the fowl to free itself.

Again did you ever enter the poultry enclosure humming some familiar strain and notice how the hens began to sing, and the roosters to crow?

It is said "Laughter is contagious," so also is good cheer, even in the hennery.

It is never wise to enter the enclosure in a hury. Unseemly haste alarms the fowls; some fly against the windows, others scoot under the roosts, and for the moment pandemonium seems to reign.. Then you speak to them just like you would to a lot of frightened children, and lo! peace and quiet reigns again.

Ducks are naturally timid and nervous, and at night are easily disturbed by any unusual movements around their quarters. But even they are quieted and reassured when the voice of the one who tends and feeds them, speaks and chides them for their fears.

It is unwise to allow dogs or children who are strange to run among a flock of fowls of any description. They are very alert and notice the presence of a stranger, even when quiet. Hens that are handled roughly, or chased, or scared, are liable to lay a premature egg. Ducks are liable to the same accident, and are also liable to go lame, and turkeys can easily lose in weight, more than can be fed on to them in several days, by such treatment.

Other things being equal, feed, water, etc., of good wholesome quality, it is the placid flock whose owner treats them gently, handles them carefully and humanely, that puts on flesh, that exhibits thrift, that cackles merely over many a newly laid egg; in fact that gives large interest on every dollar invested in its behalf.

SCATTERED NOTES.

It is asserted, and vouched for by leading poultry papers, that the Kellerstrass Poultry Farm, during the season of 1909, sold 1,024 White Orphington eggs for hatching at $2.00 per egg, or $30 per setting of 16 eggs; and up to June 30, 1910, had sold 4,534 eggs at the same price, or a total of $9,068. This may be sneered at as a case of poultry craziness, but it is proof of unusual interest and profits in poultry. But like all other business, it must have business management.

—o—

Don't keep through the winter a flock of surplus roosters. As this class of fowls increase in age the price decreases, and every bit of feed they eat is a waste, the room they occupy can be better filled by more useful fowls.

—o—

The winter poultry pasture should not be neglected. It is late now to sow rye for that purpose, but it is better late than not at all. Something green to work on during favorable days makes a great difference in winter egg production.

—o—

Provide for the dust bath. Nature's dust will soon be mud, but the fowls need the bath all the same. And they need it all through the winter. Provide for it before it is too late.

—o—

Have a thought for the winter feed for the poultry. Millet, pea hay or clover, is good for them to scratch and pick in when they cannot be much out of doors. And grit and meat scraps are necessary to best results.

GREATEST NET PROFITS



ARE MADE IN THE LAND OF MANATEE ON THE WEST COAST OF FLORIDA, GROWING **ORANGES, GRAPEFRUIT AND VEGETABLES.** Highest prices secured in Northern and Eastern Markets. Quick transportation—low freight rates via. S. A. L. Ry. Cheap lands—ideal climate—two and three crops a year—$500 to $1500 net per acre. People who locate here are satisfied. Write for free illustrated booklet. Address:

J. W. WHITE, GEN'L INDUSTRIAL AGENT, SEABOARD AIR LINE RY. DEPT. I NORFOLK, VA.

FOR INFORMATION AS TO LANDS IN

The Nation's Garden Spot—

THAT GREAT FRUIT and TRUCK GROWING SECTION— along the

Atlantic Coast Line RAILROAD

in Virginia, North and South Carolina, Georgia, Alabama and Florida, write to

WILBUR McCOY, A. & I. Agt. for Florida, Alabama, Georgia, Jacksonville, Fla.

E. N. CLARK, A. & I. Agt. for Virginia and the Carolinas, Wilmington, N. C.

Southeastern Apple Districts

Have the advantage of location near to consuming centers. None give better returns or surer crops. Apple orchards have paid $200 to $1,000 an acre. Best growers and shippers command selected markets. One Virginia tree last year yielded $124 worth of apples, a Georgia tree $57. Lands in best districts as low as $10 an acre. Best peach and berry districts. Locations for pecans where they produce large and finest crops. Fruit and general farming go together in the Southeast. Low rate railroad fare. Write

M. V. RICHARDS

Land and Industrial Agent, Southern Railway 1333 Pennsylvania Ave., Washington, D. C.

14c A DAY NOTHING DOWN — Buys a Ten Acre —

FLORIDA FARM

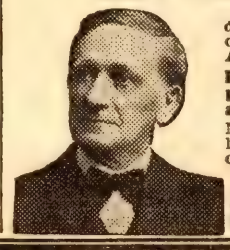
I honestly believe I have the best fruit and vegetable lands in Florida. In famous Indian River Orange Belt. Near Trunk Line Railroad and Indian River. Three crops a year. Big prices for all crops. Beautiful Town. Let me send full particulars, Go down and look at it yourself. Railroad fare refunded to purchasers.

EDWIN B. LORD, Wellsboro, Pa.

The paper never deceived its subscribers nor ever gave them bad advice

New Rupture Cure

Don't Wear A Truss



Brooks' Appliance. New discovery. Wonderful. No obnoxious springs or pads. Automatic Air Cushions. **Binds and draws the broken parts together as you would a broken limb.** No salves. No lymphol. No lies. Durable, cheap. Sent on trial. Pat. Sept. 10, '01.

CATALOGUE FREE

C. E. BROOKS, 3195 Brooks Building, Marshall, Mich.

VIRGINIA FARMS

You can buy fertile farms with timber, fruit and water for $10.00 per acre and up. **Annual Rainfall 45 inches. Splendid country for fruit growing, dairying, stock raising and general farming.** Fine climate, abundant water, convenient Eastern markets, excellent schools, good neighbors. Write for our illustrated Quarterly, maps, Homeseeker's Excursion rates and other information. They tell WHY Virginia land is so low in price.

F. H. LaBaume, Agr. & Ind. Agt., Norfolk & Western Ry. Box 2035, Roanoke, Va.

$10 AND UP PER ACRE NOW BUT PRICE RAPIDLY ADVANCING

Indian Runner Ducks

THE BREED THAT LAYS 280 EGGS EACH YEAR. FAWN WHITE AND PENCILED

TRIO—One Male, Two Females . . **$5.00** | Eggs per setting of 15 . . . . **$1.50**
PEN—One Male, Four Females . . **$7.50** | Eggs per hundred **$6.00**

Petaluma Incubators, operated by oil, gas or electricity

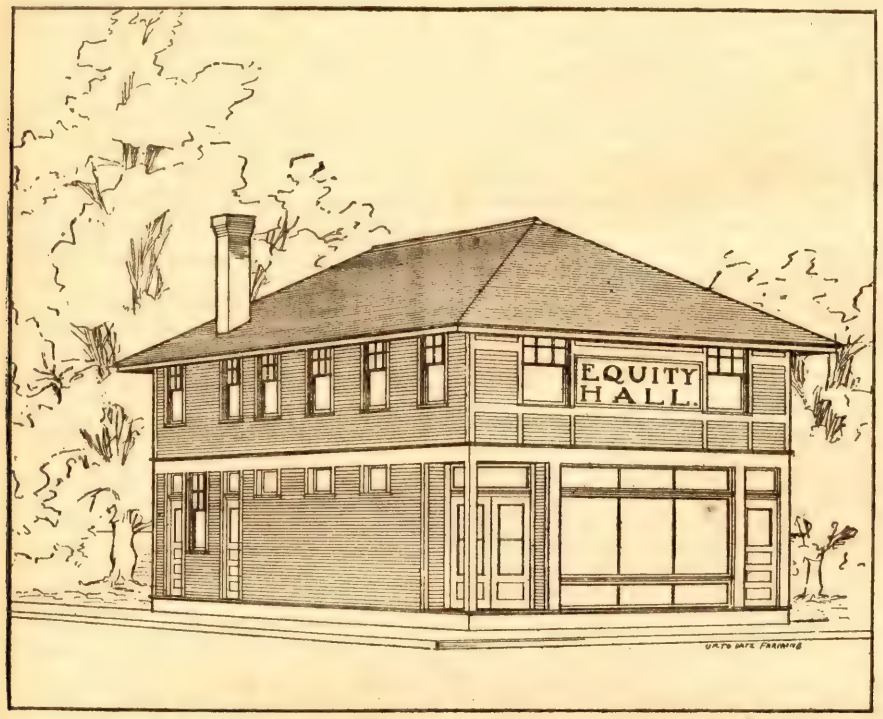
EVERYTHING FOR THE POULTRY YARD CATALOG FREE; SEND FOR IT

PETALUMA INCUBATOR CO., Indianapolis, Indiana

A Local Union and an Equity Hall at Every Station

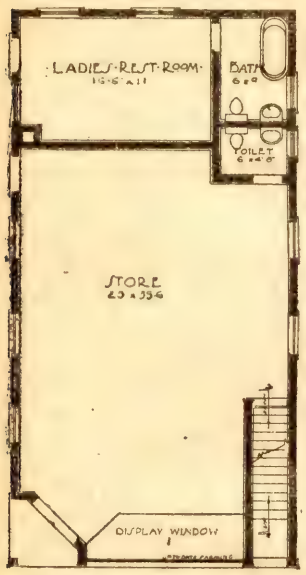
THE intention of this paper and the Farmers Society of Equity is to organize the farmers in every community for business and social advantages. The plan is to have a local union at each railroad or boat station where considerable farm produce is marketed. The benefits to every body, with farmers, so organized for business and social purposes, will be so great that a building for their exclusive use at once suggests itself. Therefore we have had prepared plans for an Equity Hall which we submit with explanations as follows:

This Equity Hall as planned calls for a building 24 feet wide and 48 feet long, side posts 6 feet high; walls constructed with 2x4 studding covered with sheeting and lap siding. Roof is covered with cedar shingles. The interior

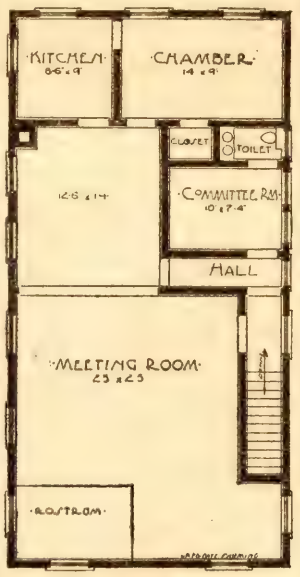


is intended to be lath and plastered, and floored with a good grade of yellow pine flooring.

The plans call for a store room on the first floor, and a basement under the entire building to be used in connection with the store. Entrance to the second floor is gained through a door at the right side of the building entirely independent of the store. Underneath the stairs are basement stairs leading down from the store room.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

In addition to the meeting room on the second floor there are three rooms which can be used by the secretary or caretaker occupying the buiding. The largest of the three rooms is separated from the meeting room by means of folding doors so that in case of a large crowd this can be thrown into the large hall, increasing the seating capacity. The seating capacity is about 150.

Changes as to the use or omissions of toilets can be easily made according to the special need or facilities of the community in which the building is erected.

The estimated total cost of the building at $2,100. This figure is based on the usual prices for carpenter labor, excavation, foundation, painting, etc. This total cost can be greatly reduced where different members of the association contribute material or labor.

The Gordon-VanTine Company of Davenport, Iowa, will furnish complete bill of lumber, mill work, and hardware for this building for about $1,050, exact price depends on the interior arrangement which is decided upon, and the location which will determine freight from mills. Material used throughout would be strictly first class, and the building when erected will give a good solid, substantial appearance and prove ornamental as well as useful.

We recommend unions that desire to build a hall to correspond with the above named firm. While Equity Halls are not absolutely necessary, yet nearly every local union will, in time, find them almost indispensible in carrying out the Equity System of marketing, and in doing the business which will fall to each.

We need hardly say that such a building will furnish a permanent office for the secretary and it may be his home too, when his wife can have charge of the ladies apartments; a meeting room for the farmers, also for their wives on separate days or nights and for social affairs for the young folks. Also it will always afford a meeting place and rest place for farmes and members of their families whenever they go to town. The store room may be used as a cooperative store, or rented. A good rental can be obtained because any merchant will at once see the advantage of a store in the farmers headquarters building.

(Continued on page 21)

Don't go to the Frozen North Go With Me to the Sunny South

LOOK HERE The Coast Country of Texas is famous all over the country. Tens of thousands of Northern people have bought land in that district and are prosperous and happy farmers.

The Best Tract of Land in all that Country Has Just Been Opened for Settlement. It is the

Famous O'Connor Ranch

In Calhoun County, Comprising 70,000 Acres

It is the **BEST**, because the land is unsurpassed in richness and quality; **because** it is bordered by the Gulf and Bays on three sides; **because** it has a railroad through the entire length, 19 miles, and no farm will be more than five miles from the railroad; **because** it has a Gulf port, Port O'Connor, which is destined to be one of the important cities on the Gulf; **because** it is on the great new Inter-coastal Canal; **because** the rainfall is more abundant than farther south, average 38 inches rainfall well distributed throughout the year; **because** the tract is underlaid with artesian water and 23 wells are now flowing on our land; **because** the water is pure; **because** the greatest variety of crops can be raised, cotton, grain, fruit and vegetables; **because** early vegetables and fruit grown here find markets in the North at fancy prices; **because** the water shipping facilities give this section low, competing freight rates to the great Eastern markets.

This is What You Can do Now

You can go with me on the next excursion and **select a farm on the railroad** that might become a townsite; or on one of the beautiful bays where it will be a pleasure and constant delight to live and enjoy such hunting, fishing and bathing as cannot be surpassed anywhere; or interior land if you prefer. And remember, on any of this land you can have **crops growing every month in the year.**

The land is level; no stumps, or stones, but is ready for the plow. Locate your farm, begin work and sell crops in a few months.

Being nearly surrounded by water, the climate is cool, with Gulf breezes. There is no winter and there is no sweltering summer. Never has been a tidal wave and never can be as it lies too high and is protected by islands.

I am not attempting to tell you all about the **FAMOUS O'CONNOR RANCH.** It takes a book to do that and I want to send you one. All I hope to do in this advertisement is to get you interested. **I invite you now** to go and see for yourself. If you do not delay you can select one of the choicest farms that will produce more per acre than farms worth $150 to $200 an acre in Indiana or Illinois. Land no better than ours in this section is selling for double our price and it is not nearly so well located. We are owners—not agents—and want to develop the town as well as to sell farms.

Let me send you my book and full particulars, then you can decide, but don't try to decide before if you want a home and business, or if you want to invest in land that will double and triple in value in a few years.

Fill out the coupon and send at once.

CALHOUN COUNTY CATTLE COMPANY

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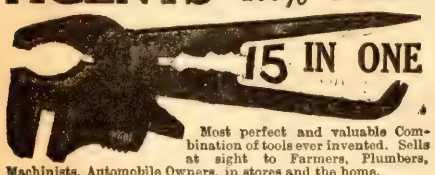
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Most perfect and valuable Combination of tools ever invented. Sells at sight to Farmers, Plumbers, Machinists, Automobile Owners, in stores and the home.

Made of Drop Forged high grade carbon steel. One agent in Essex County, N. Y., after a 6 days' canvass ordered 100 tools. His profit $100.00. Big snap for agents. Sample free to workers.

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Farmer or Farmer's Son

with rig in every County to introduce and sell Family and Veterinary Remedies, Extracts and Spices. Fine pay. One man made $90 one week. We mean business and want a man in your County. Write us.

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SAN JOSE SCALE

can be controlled in THE FALL as well as in the Spring, with

Rex Lime and Sulphur Solution

the cheapest, best and most reliable spray material. Write for our free bulletins and prices.

THE TOLEDO REX SPRAY COMPANY
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MOTORMEN WANTED
Big Pay and Sure Position



Also Conductors. Doesn't this beat following a plow? We fit you at home by mail for these good paying positions. Hundreds of positions **now open** for our graduates. This is the school endorsed by electric railway managers everywhere. Write for full information FREE. OFFICIAL RY. SCHOOL, Gen'l Office, 465 Freeport, Ill.



AGENTS: A live wire, $200 a week easy. Sell the best Vacuum Cleaner on the market at a price so ridiculously low that anyone can afford them. Sells on sight. You be the one to get the thousands of dollars in profits. A postal will bring you full particulars. Free full sized working sample.

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Mends Harness, Shoes, Canvas; Myers' Sewing Awl makes lock-stitch like sewing machine. $1 postpaid. BIG MONEY FOR AGENTS.

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Wanted—A man or woman to act as our information reporter. All or spare time No xperience necessary. $50 to $300 per month. Nothing to sell. Send stamp for particulars. SALES ASSOCIATION, 629 Association Building, Indianapolis, Indiana

FARM BOOKKEEPING; UP-TO-DATE and most thoro course by mail only $10. Write the author of the system, W. H. Givler, Givler's Commercial College, Charleston, Illinois.

$25 WEEKLY and expenses to men and women to collect names, distribute samples and advertise. Steady work. C. H. EMERY, A S 254, Chicago, Ill.

AGENTS WANTED to sell Farm and Garden Seeds Outfit free, ROCHESTER SEED CO., Rochester, N.Y.

GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

FALL SPRAYING NUMBER
Will Next Year Be a Fruitful One For You?

Whether the next year will be a fruitful one will depend very largely upon yourselves. You must begin NOW to work and plan for the next season. In all departments of horticulture the year runs from fall to fall. The making of the next crop lies in your hands now. **Whether our year will be a fruitful one will depend entirely upon you**—your support is necessary to us. **Will you give it us? Your help now** will give us as **fruitful** a year as will be **yours** if you follow the instructions below as to spraying. **A club of two or more** at 25c a year each will be appreciated.

FALL SPRAYING FOR BEST RESULTS

In order that his friends of THE GARDEN DEPARTMENT may have the very latest information which will be of value to them, the editor keeps himself in the front rank of investigation and experiment, and nothing is recommended in this department which has not been found to be "tried and true."

For a number of years it has been universally recognized by all intelligent fruit growers that fruits such as apples, pears, peaches, cherries, and plums, could not be grown for sale in a good market unless the trees were thoroughly sprayed in order to check the ravages of the various insect and funguous pests which attack them, and the horticultural papers have been teeming with articles upon these topics, founded upon the experiences and experiments of numerous persons who tested the various remedies which have, from time to time, been advocated for the pests and diseases.

These articles have all been founded upon the hypothesis that the first spraying should be done in late winter or early spring, just before, or about the time that, the buds burst.

I am not going to attack the practice of spring, or late winter, spraying, for I have myself advocated it, but some late experiements and researches have fully demonstrated that instead of being the commencement of the spraying season, for the scale insects, it is near the end in a properly mapped out campaign.

It is wonderful what a little thing will bring forth. For years it was the impression, advanced by some good zoologists, that the scale, especially the **San Jose**, was a hibernating insect; that after the advent of cold weather it just went to sleep, and stuck to the twig, upon which it happened to be, until the warmth of advancing spring brought it to life.

But a curious investigator, desiring to tudy the San Jose scale on a cold winter day went out to an infected tree and cut a large sized branch which was poluted with them, and brought it into his laboratory. After some superficial study, during which time he satisfied himself that the scale was alive, he set the branch aside intending to take it up later to finish his investigation.

Some ten days later he again took up the branch to resume his studies, when to his intense surprise his microscope told him that THE SCALE WERE ALL DEAD. He was astounded. He had set the branch out in the cold so that the heat would not awaken the scale, and expected to find them just the same as when he had cut off the branch.

He sat down to reason it out. If the **San Jose** scale was a hibernating insect, and was alive when he cut the branch, why was it that they were all dead now? It was the same branch, and he had not disturbed them; nor, had they come under any influence which would tend to shorten their lives.

Something had happened to them, that was sure. What was it? Could it be, after all, that the San Jose scale was not a hibernator? If not, had they starved to death when the branch had been cut off from its supply of sap from the roots of the tree?

It was easily tested. He cut another branch, and allowed it to remain hanging upon the tree, disconnected. **The scale all died.** "Ha." he reasoned," the sure cure for San Jose scale is to cut down the trees close to the roots, but then—," Of course then there would be no fruit.

However, he was on the right track. One line of investigation led to another and it was soon proven that instead of the **San Jose** scale hibernating all winter as was supposed, it has all these years been SUCKING THE SAP OF THE TREES ALL WINTER, while the deluded fruit grower has thought it asleep. Hence the practice of fall spraying of fruit trees for this pest.

It must not be forgotton that the adult **San Jose scale** is immovably attached to the place at which it first sticks its beak into the bark of the tree to withdraw therefrom the sap upon which alone it can subsist. It is there for life, hence, if the limb be cut or broken off the scale must starve to death, as it cannot make its way to another one. This fact assisted in the proof that **the scale is a winter-feeding insect,** and must be killed in the fall in order to save the trees from its ravages.

When one considers that there is but a small modicum of sap moving up the trunk and limbs of a deciduous tree in the winter time, and that

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WHY SUFFER

the misery of painful and mortifying skin eruptions when every druggist sells **Heiskell's Ointment**—a never-failing cure for erysipelas, eczema, tetter and all the milder forms of skin diseases, blackheads, pimples, and rash. **Heiskell's Medicinal Toilet Soap** aids a cure—use it for toilet and bath. If you have **any** skin trouble use

HEISKELL'S Ointment

Write for our new booklet "Health and Beauty."

JOHNSTON, HOLLOWAY & CO., 531 Commerce St., Phila.

BUNDLES

of this number, 25 copies for 25 cents by mail. If it was valuable to you it will be to your friends. Send silver or stamps.

Serious Blunder

Newport was aroused last month over a story that J. Pierpont Morgan told at a luncheon at the fishing club.

"They talk of the high cost of living," Mr. Morgan said, "but it's just as bad abroad. You all know what Trouville is like in the season.

"An American took in Trouville's grande semaine last year. When his bill was sent up he paused in his breakfast and studied it with a sarcastic smile. Then he sent for the hotel clerk.

"See here,' he said, 'you've made a mistake in this bill.'

"'Oh, no, monsieur, Oh, no!' cried the clerk.

"'Yes you have,' said the American, and with a sneer he pointed to the total. 'I've got more money than that,' he said."—*St. Paul Dispatch.*

Unnecessary

PASTOR (from the pulpit)—"The collection which we took up today is for the savages of Africa. The trousers buttons which some of the brethren have dropt into the plate are consequently useless."— *Fliegende Blaetter.*



Plenty of Water Anywhere

at small expense if you have a *good* pump about the house and barn.

Goulds Pumps are unequalled for ease of operation and capacity. They outwear and outwork other pumps because made of better materials and by workmen who have made pump-making a life study.

We make hundreds of different styles—a pump for every kind of service and the name "Goulds" is cast on every one. Don't waste time and money on a cheap pump.

Our Free Book, beautifully illustrated ***"Water Supply for the Home"*** *tells about pumps and pumping. Send for it and see how it hits your case*

The GOULDS MFG. CO.
95 West Fall St., Seneca Falls, N. Y.

IT IS UP TO YOU if you have not gotten complete control of the dread **San Jose Scale.**

WE KNOW THAT PRATT'S

"SCALECIDE"

will do it more effectively than Lime-Sulphur, for less money and less labor—five years of proofs. PRICES—In barrels and half barrels, 50c. per gallon; 10 gallon cans, $6.00; 5 gallon cans, $3.25; 1 gallon cans, $1.00.

Send for Booklet, "Orchard Insurance."

If you want cheap oils, our **"CARBOLEINE"** at 30c. per gallon is the equal of anything else.

B. G. PRATT CO., MFG. CHEMISTS, 50 CHURCH ST., NEW YORK CITY.

this small quantity is absolutely necessary to the health of the tree, one can understand why the drain put upon the tree in the winter when it cannot, replenish it rapidly is so much greater than in summer.

It is conceded that nine out of ten trees which are permanently injured by scale, receive the fatal degree of injury during the winter months when the tree cannot protect itself by replacing the sap robbed from it by the scale. The bark becomes diseased, and the cambium layer becomes unable to perform its functions. Death to the tree is the result.

The Object of Spraying.

The objetct of spraying fruit trees is to kill scale insects and fungous diseases. Were there but a few of these insects or a few of the spores of the fungus diseases, we could, as do business men, "charge them to profit and loss." but they descend upon the trees in unnumbered host and are so prolific that in one season a single scale can become the progenitor of millions, and soon the tree is doomed.

And it is just as necessary, as a preventive, to spray for the spores of fungous diseases in the fall, in order that as many as possible may be killed to prevent their spreading next summer. Every live spore killed this fall will mean good dollars in the pocket of the fruit-grower next season, and fortunately the sprays we use in the fall for scale will kill most of the fungous spores.

The Time to Spray.

As soon as the leaves have fallen, and have been gathered and burned, as they always should be, the spraying can commence, and can be continued as long as the weather will permit, taking care that it is not done in hard freezing weather. At this time the left-over aphis is very susceptible to sprays, and millions of them will be killed and prevented from re-producing their kind next season upon the apple and cherry trees.

Advantages of Fall Spraying.

The advantages of fall spraying are many. The chief ones are:

There is less wind and the applications are more easily and economically made.

There is not the same rush of farm work as in the spring, and more thorough results are likely.

There is less danger of the spray materials freezing on the trees.

As there is no frost coming out of the ground spraying outfits can be more easily handled.

And not least, one spraying never got all the scale, so two sprayings, fall and spring will get more of them, and better fruit will be the result.

What Spray to Use.

There was a time when spraying fruit trees was a new thing and there was but one way to get spray washes—to make them yourself. There also was a time when every woman had to make the family's clothes—**but she does not do it now.** No. She buys them ready made or they go to a good tailor. This is the day of the specialist—in washes for spraying, as well as clothes.

For the large commercial orchard with thousands of trees to spray it is cheaper—perhaps—to make your own spray mixture, but is not for the ordinary fruit-grower. The equipment of tanks and machinery is too extensive for the small grower, for the making of lime-sulphur sprays, while for the miscible oils, it would require a chemist upon every farm.

This being the case, I do not advise any but those who have a large orchard to make their own solutions. They can buy them in stock solutions, ready for dilution, cheaper, better, and of a more even consistency. They can be diluted in fifty-gallon barrels, or in the tanks of the sprayers. An equipment of tanks necessary for a large orchard in which to make the stock solutions would cost the fruit-grower hundreds of dollars, and is not necessary.

There are several spray solutions which can be bought ready made which have been recommended by some of the best experiment authorities after exhaustive trials. It is folly for the small grower to attempt to make his stock solutions when he can get them ready to dilute as good as these mentioned above at a small cost.

Spraying Tools.

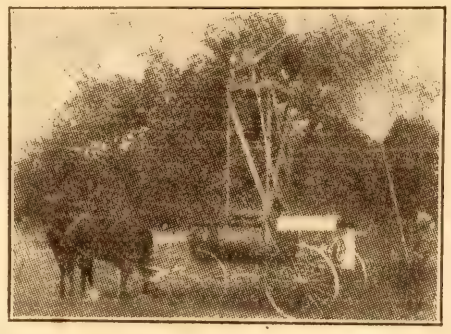
On the small fruit farm the barrel spray, a number of good ones of which are advertised advertised from time to time in our columns, will be sufficient, but where there are enough trees to make the spraying a big feature, there should be a power sprayer. I some months back advocated the banding together of farmers in the same localities into associations in order to get neighborhood sprayers" with gasoline engines, and this is being done.



A Barrel Sprayer Outfit.

Care in Spraying.

There are many reasons why the greatest care should be exercised in all the operations of spraying. One reason is it is more economical than careless spraying, and is more effective. An inspection of some sprayed orchards have convinced me that some operators spray at the trees rather than on them. The tower on the power spraying outfit enables the operator to get close to his work, thereby spraying more effectually and covering the whole surface, especially of the smaller branches. It has a great advantage over the small barrel outfit, when the operator must stand on the ground, or a ladder. Hence the advantage of the neighborhood outfit, which will be available to even the smallest growers.



A Tower Sprayer Outfit.

It has become universally recognized that good fruit cannot be had without spraying. I feel that practically all the readers of this department have some trees and plants, and I urgently advise them to not neglect this important work this fall. Make the job as thorough as it can be done. Then continue in the spring and the scale and fungus diseases will not bother your fruit next season.

Here is to a fruitful season in 1911. LET US SPRAY.

The Overland for 1911

Licensed under Selden patent

20,000 Owners of Overlands

The Overland—not yet three years old—is already used by 20,000 families, half of whom live on farms.

No other car ever jumped so quickly into such vast popularity. And no other car is in such demand today. Dealers have already paid deposits on more than 18,000 of the new-season models just out.

The reason lies in what owners have said to others. In every locality where Overlands go the demand for them spreads. And that demand, for much of the time, has exceeded the supply.

For the Overlands are absolutely perfect cars—the best that the ablest engineers can make. And, because of our facilities, they are sold at prices which other makers cannot meet.

Cost Reduced 28 Per Cent

After the Overland was perfected our engineers devoted their whole attention to reducing the cost of the cars. Over $3,000,000 has now been invested in the highest type of modern machinery.

Many acres of floor space are now filled with machines for making each part in the most exact, most economical way.

This wonderful machinery, with our enormous production, has cut the cost of Overlands 28 per cent in the past two years. That means an average saving of $300 per car.

That is the reason for Overland prices. The materials in our chassis are the best that money can buy. Every feature is made in the best possible way, regardless of cost. The cars are tested better than any other cars in the world, for all our prestige, our demand, our investment is at stake on their utter perfection. But our modern methods have brought the cost of such cars down to the minimum.

22 Models for 1911

To meet all ideas on size, style and power we are now making 22 models. The wheel bases run from 96 to 118 inches—the power from 20 to 35-horsepower—the price from $775 to $1675.

All have four separate cylinders, the 5-bearing crank shaft, the unit power plant, the dust-proof case, the double ignition. Some operate by pedal control—some have sliding gear transmission.

The models include the latest torpedo bodies, the fore-door tonneaus, and all else that is new and artistic. In one of these 22 models you will find the exact car you want.

The finest cars, both in Europe and America, are now being made with fore doors. This style, beyond doubt, is the coming vogue. But most makers charge an extra price for this new design.

In the Overland line you are offered your option—fore doors or open front. Both sell at one price.

$775 to $1,675

This year we are making a 20-horsepower roadster, with 96-inch wheel base, for $775. Its possible speed is 45 miles an hour. We make a torpedo roadster as low as $850.

The 25-horsepower touring car, with 102-inch wheel base, sells this year for $1,000. That's nine per cent less than last year. Your choice of five styles of body.

The 30-horsepower Overlands, with 110-inch wheel bases, sell for $1,250. Fore doors or open front.

The 35-horsepower Overlands, with 118-inch wheel bases, sell for $1,600 and $1,675. All prices include gas lamps and magneto.

You can easily prove by comparison, detail by detail, that no other maker offers equal value.

Our 1911 Book Free

Please mail us this coupon for the new book, showing all the styles and giving all specifications. It will tell you all that is new about automobiles. Overland dealers everywhere are now showing the new designs.

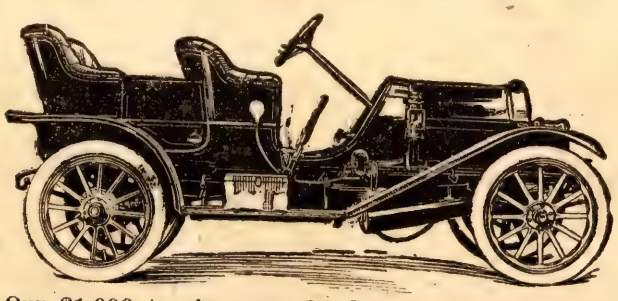
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The Willys-Overland Company
(Licensed under Selden patent.)
Toledo, Ohio

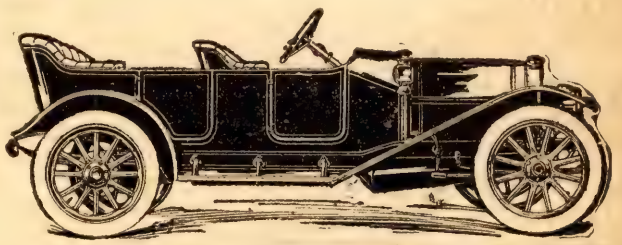
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Our $1,000 touring car—25 h. p.—102-inch wheel base. Five styles of body. The tonneau shown above is detachable, allowing room for milk cans or farm truck.



One of the new fore-door models. Note the straight lines. A fore-door touring car, with 30 h. p. and 110-inch wheel base, costs $1,250.

(123)

All prices include gas lamps and magneto.

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Cornish Instruments for real merit, are unexcelled by any other, whatever the price or name or reputation.



This is our offer to you—select any Cornish piano or organ, from the least expensive to the finest ever built and we, without one bit of obligation on your part, will send the instrument to you **direct from our factory** with the distinct understanding that if the instrument does not come up to your fullest expectations you are not to keep it, and that the

Trial Will Cost You Absolutely Nothing

If the instrument does not prove better value for the money than you can get anywhere else—if it is not as good an instrument as you can buy for one-third more than we ask—if at any time within a year you feel that you have not a good bargain, send it back; we won't find one word of fault with your decision, and you will not be one cent out of pocket for freight or for use of the instrument.

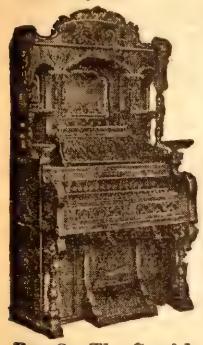
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The Cornish Bond Protects You

Easy Terms



Buy On The Cornish Plan—Save One-Third

and holds us strictly to this offer. You are to have the privilege of any terms of payment that you may choose. You risk nothing. **We assume all responsibility,** because we know all about the great beauty of material and workmanship in Cornish pianos and organs and we know all about the pure, sweet, rich tone quality of our instruments and we know what a **quarter of a million satisfied purchasers** think of them.

If you keep the instrument it will cost you the **Rock-Bottom Factory Price,** not one cent more, and you will receive with it our **Bonded Guarantee** which insures the instrument for **25 years** against defect in material or workmanship.

Send For The New Cornish Book

Don't think of buying before reading it. It is the handsomest piano and organ catalog ever issued. It explains things you ought to know whether you buy from us or not and it is yours for the asking. Write for it now and please mention which you are interested in—piano or organ.

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At Your Home. Write today for our booklet. It tells how to learn to play Piano, Organ, Violin, Mandolin, Guitar, Banjo, etc. Beginners or advanced pupils.

AMERICAN SCHOOL OF MUSIC, 78 Lakeside Bldg., Chicago, Ill.

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Send me two 2c stamps and I'll send you 10 beautiful Christmas Cards and tell you about my big SURPRISE.

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919 CARDS Silk Fringe, Envelope, Hidden Name and other 200 New Songs and Love Verses. 100 Rich and Racy Jokes. 1 Pack Escort and 1 Pack Acquaintance Cards, New Beau Catcher, Big Sample Book and outfit. All 2 Cents. COLUMBUS CARD CO., B 48 Columbus, Ohio.

25 LOVERS' POST CARDS and NAME CARDS The finest line ever sent out. (No two alike). Floral Mottoes, Friendship, Birthdays, Pretty Girls, Love Letters, Love Scenes, Escort, Acquaintance, Hidden Name and other new cards; also our Big Illustrated Catalogue and Premium List, all for 10 Cents. UNION CARD CO., B 73 Columbus, Ohio.

CARDS Send 2c Stamp for large Sample Album of Hidden Name, Silk Fringe, Envelope, Friendship, Joker's, Lover's and all other Kinds of Cards, Post Cards and Premiums. Star Beau Catcher and list of 2000 Songs given Free. OHIO CARD CO., B 10 Cadiz, Ohio.

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Send for 12 packages of our beautiful high grade gold embossed post cards to distribute at 10c pkg. Return us the $1.20 when collected and we will send you by return mail this very fine 14K gold filled heavy band ring, not the cheap kind. Address, R. F. MOSER, 332 Household Bldg., Topeka, Kan.



Summer's on the Wane

When the green begins to fade
Over forest glen and glade,
When the crickets chirp and call
By the brook and in the wall,
When there's haze along the rim
Of the foothills brown and dim,
Then we know that once again
Golden Summer's on the wane.

When the skies are growing gray,
When the cat-tails bend and sway,
When the sumac crimson grows
And the maple turns to rose,
When the robins call and cry
After silence of July,
When the clouds look full of rain,
Golden Summer's on the wane.

When we think of Winter cheer,
Book and paper waiting near,
When we think of barn and bin,
And the harvest gathered in,
Store enough for months of cold,
All the story thus is told.
Autumn comes o'er mount and plain
Golden Summer's on the wane.

—*Lalia Mitchell.*

THOUGHTS THAT COME

THE WHIRLWIND

By John P. Stelle

WALKING on the farm not long ago I encountered a whirlwind. With a whirl, a rush, a dash and a roar, it sped across the field, gathering up the dust, the trash, the leaves and the sticks that lay in its way. Its purpose seemed to be to take things by storm, to revolutionize the world and inaugurate a new order of life and activity. Directly in its path was a pond in which the water was sleeping as calmly and quietly as though there was nothing to do in all the world. The noise and rush of the wind disturbed and awoke it. It swirled about for a moment, apparently tried to rise, and then settled back to its former calmness and inactivity, to sleep and wait till another wind should disturb its slumber. Nothing had been accomplished.

The wind whirled and rushed on. The light things, worthless in themselves, that rose with it and followed it, retained their borrowed energy for a while, but they soon lost the inspiration and impulse the unusual rush and whirl of the wind had given them, seemed to hang for a moment undecided, and then lazily turned away and dropped to their accustomed level.

As the whirlwind left the field, with increased dash and roar it struck a forest. It battled for a time with the great trees, angrily swaying their branches and twirling their leaves, exhausted its power; its energy departed, its ambition perished, its activity ceased, its effort, for a moment so strenuous, was abandoned, and the whirling wind that set out to do such great things, settled down to the unnoticed calm of the summer afternoon. Its noise and bluster were gone.

People are sometimes like the whirlwind. They undertake things with a roar, a dash, and a whirl. One might think they would sweep the world, change the natural or accepted order, defy custom, and win success in furious battle. The unthinking and unambitious, like the sleeping water, may be aroused by the noise, but only for a moment, and then their inactivity returns. The human light weight and floaters, those who would move but have not the will, are caught in the whirl, join in the passing noise and bluster, seem to increase the rush and rumble, and add to the promise of great things. But soon they are wearied by the unusual effort, detect the emptiness of the sound, sink back to their accustomed idleness, and again take their places with the unprogressive mass. The mover himself, who began with such a blare of trumpets, exhausts himself in the noise he makes, and subsides and disappears in the forest of thought and judgment.

Progress does not come with a rush and noise; it is a matter of education. Deep waters move slowly and quietly, but they move powerfully. Those who accomplish things go at it with a serious earnestness. They seek the golden mean of calmly considered effort, and work to an end and a purpose. They know there is work to do and battles to fight, and they strike telling blows and work with zeal and a will, but they make their work permanent and their blows effective. Thus those who succeed move surely though it may seem slowly, but when Victory comes she brings a crown.

A NATION'S DOWNFALL

OUR readers know of the revolution that has recently taken place in the government of Portugal. The king has been dethroned, the kingdom abolished, and a republican government established. Mr. Otto Fitzmaurice, in an address recently delivered in this city, asserted that the downfall of the government was caused by the drink habit. It is declared that the late king was so addicted to drink that it led him into other excesses that his subjects would not stand. Hence his overthrow.

Speaking of this country, Mr. Fitzmaurice said the United States is not so free as it is said to be, and he gave drunkenness as the cause. He even predicted the downfall of this country, if drink, affiliated with the trusts and combines, maintained their control of the republic.

That these evils are powerful can not be denied, and it is up to the sober, common sense, conservative farm population to give these matters due consideration.

THAT'S SO

SUMMER develops things, and the autumn brings them out life size. For instance, the visitors to the country home got back to town, and are saying—

"Now we're back from our vacation,
And we'll have some recreation,
'Lectric fans will keep the heat from doing harm;
We'll have city things for dinner,
And get fatter 'stead of thinner—
Broil the steak, they always fried it on the farm."

All the same, when it gets to the city table, who knows what it is? For—

Mary had a little lamb
And when she saw it sicken,
She shipped it off to Packingtown,
And now it's labeled chicken.

But taking a serious view of farming, we have to admit that—

Hope is the thing
That plants the seeds;
But diggin's what
Knocks out the weeds.

But who cares for the digging? It is a part of the business, and—

Out here on the farm
There is comfort for all,
And laughter rings clear thro' the day,
'Neath shade of the orchard
Where red apples fall
The children all frolic and play.

But another thing takes place on the farm. The loafing man or boy has found it out. It is—

When Mandy sets the b'iler on,
An' hustles up th' fire,
An' starts a-stirrin' up of starch
An' hists 'er sleeves up higher,
W'y, then you know th' war is on,
It ain't no time to josh,
Th' on'y thing to do is—leave,
When Mandy starts to wash.

Official Business

"Marrying is official business, all right, all right."

"How so?"

"You have to go to a clerk to get a license, and then you have to go to a lawyer to get a divorce."

"A Kalamazoo Direct to You" TRADE MARK REGISTERED

—"And Gas Stoves Too"

Values shown with factory prices in this book have saved $5 to $40 for over 140,000 satisfied farmers and homefolks.

Spend One Cent For This Big FREE Book

We pay the postage on our **Big Free Kalamazoo Book** to you—over 100 pages—fully illustrated—gives wholesale prices—explains our plan and our high **Kalamazoo** quality. Sold only direct to homes. Over 140,000 satisfied customers in 21,000 towns—some near you—to refer to. $100,000 bank bond guarantee. Every Kalamazoo sent ready to use—handsomely finished and blacked—safe delivery guaranteed. We give you

—30 Days' Free Trial
—360 Days' Approval Test
—Freight Prepaid

Thousands of farmers and town and city people everywhere are our regular customers on this plan. You are absolutely protected and safe in ordering a famous Kalamazoo from us for

Cash or Credit



All our cook stoves equipped with oven thermometer—makes baking easy.

We trust responsible people—give you time, easy payments.

Write a postal for our book today—shows over 400 styles and sizes, more than any ten stores can show you in stock—and you save $5 to $40 cash. No better stoves or ranges than the Kalamazoo could be made—at any price. Prove it before we keep your money. Be an independent buyer. Send name for **Free Catalogue No. 290.**

Kalamazoo Stove Company, Mfrs.
Kalamazoo, Michigan

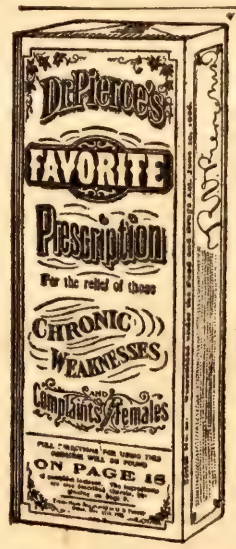


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Kalamazoo "Radiant" Base Burner
—Over 15,000 in most satisfactory use. Most perfect hard coal burner.



Honored by Women

When a woman speaks of her silent secret suffering she trusts you. Millions have bestowed this mark of confidence on Dr. R. V. Pierce, of Buffalo, N. Y. Everywhere there are women who bear witness to the wonder-working, curing-power of Dr. Pierce's Favorite Prescription—which saves the *suffering sex from pain,* and successfully grapples with woman's weaknesses and *stubborn ills.*

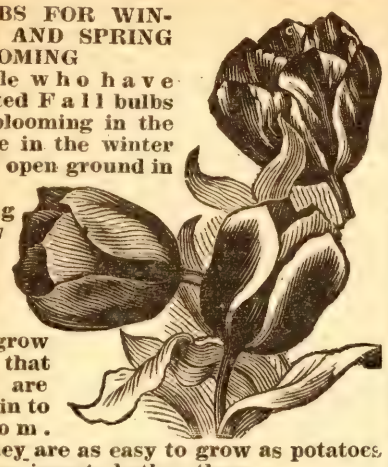


IT MAKES WEAK WOMEN STRONG
IT MAKES SICK WOMEN WELL.

No woman's appeal was ever misdirected or her confidence misplaced when she wrote for advice, to the World's Dispensary Medical Association, Dr. R. V. Pierce, President, Buffalo, N. Y.

Dr. Pierce's Pleasant Pellets induce mild natural bowel movement once a day.

BEAUTIFY YOUR HOME



BULBS FOR WINTER AND SPRING BLOOMING

People who have planted Fall bulbs for blooming in the house in the winter or in open ground in the spring know how easy they are to grow and that they are certain to bloom.

They are as easy to grow as potatoes and no insects bother them.

We have prepared the following collections for our readers. Our aim was to offer the greatest variety and best quality possible for a small sum of money. People who want to make their own selections should send for our price list.

COLLECTION NO. 1.
Costs only 25c Postpaid.

1 Dutch Hyacinth Single Dark Blue.
1 Roman Hyacinth Single Pure White.
1 Narcissus (Van Sion) Yellow, very fine.
2 Tulips, Single Yellow.
2 Tulips, Double Pink.
5 Crocus Yellow and Blue.
This fine collection of 12 bulbs only 25c.

COLLECTION NO. 2.
Cost only 35c Postpaid.

3 Tulips, Single or Double Yellow, White and Red.
1 Hyacinth, Single Light Blue, Dark Blue or Red.
3 Narcissus, Poeticus, Pure White, with beautiful cup, suffused with bright orange red.
1 Chinese Sacred Lily.
4 Freesia's Refracter Alba Pure White.
6 Crocus, Yellow, White or Blue.
This fine collection of 18 bulbs only 35c.

COLLECTION NO. 3.
Cost only 60c Postpaid.

3 Dutch Hyacinths, 1 each, Light Blue or Dark Blue, Rose and Red.
3 Roman Hyacinth, Pure White.
6 Freesia's Refracta Alba Pure White.
3 Narcissus White and Double Nose Yellow.
6 Tulips, Double White, Yellow and Red.
6 Crocus, Red, Yellow and White.
4 Scilla, Siberica, Rich Blue.
5 Spanish Iris, Light Blue, White, Yellow and Purple.
This fine collection of 36 bulbs only 60c.
Full instructions how to grow these bulbs successfully with each collection.
Send orders to

O. K. SEED STORE, Dept. A, Indianapoli, Ind.

Tell them you saw the "ad." in Up-to-Date Farming

KITCHEN SET FREE

(22 INCHES LONG)



Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort, Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

COUPON

D. W. BEACH, BOX 502
Spencer, Indiana.

Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

Name.....

P. O.....

St. or R. F. D..... State.....

GOOD THINGS FOUND AND BORROWED

To clean carved ivory, make a paste of sawdust and water, to which has beed added a few drops of lemon juice. Spread it over the carving very thick and let it remain till it is thoroughly dry. Then brush it off with a stiff brush. An old tooth brush is good for the purpose.

Some prefer a light color for their iron or steel stoves. This may be secured by using aluminum paint, which is usually kept at hardware stores. Ask for aluminum paint, such as is used for decorating radiators and steam pipes. Apply it to the stove with a brush, according to the directions which come with it. It will stand the heat, and requires but one application in a season, sometimes not so frequent as that.

To restore the gloss of newness to oil cloth that has lost its gloss by use, put a tablespoonful of glue in a pint of water and let it stand on the back of the stove until it is dissolved. At night wash the oil cloth, and after it is well dried, go over it with a woolen rag wet in the glue water, and the next morning the cloth will be glossy. We suppose this may be done in the day time as well as at night, the only point being not to use it until it is thoroughly dry.

If the carpet gets stained with soot, cover the stain with table salt and let it remain a few minutes, then sweep up carefully in a dust pan. The stain will disappear with the salt.

An Epsom salts bath is said to be good for women who are nervous and have kidney troubles. Dissolve two pounds of Epsom salts in a bath tub of water and stay in the bath fifteen or twenty minutes. The water should be warm but not hot. Take a good rest after the bath. This bath is also considered a beautifier.

Diet has a great deal to do with health and appearance, and the more we know of the things we eat the better. Sweets, candies, sugar, etc., are fattening. Tomatoes are good for the liver. Celery is good for the nerves. Peanuts are fattening. Fruits generally are healthful, and tend to keep the system in good condition. Fresh air and exercise are healthgiving, but there is usually enough of these on the farm without special provision to secure them.

To appear well in society, be kind, be natural, think cheerful thoughts and say cheerful words, believe yourself surrounded by friends, and it is very sure that you will be.

To embroider handkerchief or napkin corners, embroider four at a time, and baste four corners together point to goint. When put in the hoops the corners are in the center, just the position for embroidering them.

It is difficult to keep stoves set away during the summer, from rusting. Go over the rusty places with coarse sand paper and cover the places with melted tallow or any warm grease that is free from salt. Let remain until the next day, and then wash with hot soapsuds to which has been added some kerosene or coal oil. Rusty fenders, grates or stoves may be thus treated.

A subscriber in Wisconsin asks how to make the children's clothes last. Make everything else first.

Clothes that have been used should be carefully brushed before being put away. It is the dust in cloths that gives them the much deplored rusty, brown appearance.

When the carpet acquires a dusty, dingy look, it may be freshened and brightened by a surface washing in an alum and water solution, or one of soda and water. Use a coarse, heavy rag or a brush, and do the work quickly. Do not let the carpet become wet.

It wasn't so long ago that the birth of a deformed child meant sorrow for the parents and social ostracism for the poor unfortunate. Science is working wonders, and there now is an institution at St. Louis, with a national reputation for curing deformaties. Spinal curvature, infantile paralysis, club feet and Pott's disease all yield to this treatment. If any of your relations are afflicted, you should write to the L. C. McLain Sanitarium, 924 Aubert Ave., St. Louis, at once.

A MONEY MAKER

Agents who are looking for a fast seller, should not overlook the advertisement of the U. S. Mop Co. in this issue. Their agents are making big money, and meeting with success in every way. Write them for information regarding their offers. Address them at 1152 Main St., Leipsic, O.

Wanted It

Indignant Employer—Young man, you may meet me in the office. I pride myself on doing an honest business, and I'll have to discharge you. I understand you have been gambling in an option grain deal."

Young Man—Yes, sir, I made $600 yesterday."

Employer—(Not so indignant) Good gracious, my boy, can't you let me into that?"

From Oven Door to Farm House Door

That sums up the whole story when you buy soda crackers by name—

Uneeda Biscuit

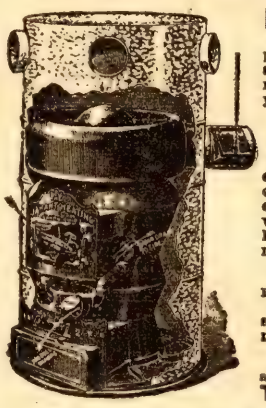
As soon as they are baked they are placed in moisture-proof packages. In this way they are kept free from dust, damp and other harmful conditions.

This means that you are *always* assured of fresh, clean, crisp, unbroken soda crackers no matter *where* you buy them or *when* you eat them.

They come in five cent packages.

(Never sold in bulk)

NATIONAL BISCUIT COMPANY



Buy Direct—Save Money—We Pay Freight

Our monthly installment plan of selling direct saves you all the dealer's profit and his excessive charges for installation and repairs. You can save at least ⅓ the cost of your furnace. We have been building Jahant Furnaces for over thirty years and guarantee perfect satisfaction. Let us tell you why the

JAHANT DOWN DRAFT FURNACE

Is the best Heating System made for residences, schools, hotels, churches, etc. It is the most economical furnace too and saves ⅓ to ½ the cost of fuel because the patented "Down-Draft System" burns hard or soft coal, wood or lignite, and burns it ALL without cinders, clinkers or any waste. Needs less attention, yet heats much better than any other furnace, hot air, steam or hot water heating system. Our "Installment Plan" of monthly payments by which you pay

Only $10 Down and $10 a Month

makes it easy for any one to have the best heating system made.

We send complete outfit, furnace, pipes registers, etc., together with special plans, full directions and all tools for installing. If you can drive a nail you can install a Jahant Furnace without the aid of a tinner.

Write To-day for Catalog which explains the Jahant Down-Draft System and tells why it gives more heat at less cost than any other system of hot air, steam or hot water heating.

THE JAHANT HEATING CO., 209 Howard St., Akron, O.

Be An Independent Buyer

"A Kalamazoo Direct to You"
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—"And Gas Stoves, Too"



Oven Thermometer Makes Baking Easy

Spend One Cent For This Big FREE Book

Our Big Free Stove and Range Book gives you our factory wholesale prices and explains all—saving you $5 to $40 on any famous Kalamazoo stove or range, including gas stoves. Sold only direct to homes. Over 140,000 satisfied customers in 21,000 towns. Over 400 styles and sizes to select from. $100,000 bank bond guarantee. We *prepay all freight* and give you

—30 Days' Free Trial
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Write a postal for our book today—any responsible person can have same credit as your home stores would give you—and you save $5 to $40 cash. No better stoves or ranges than the Kalamazoo could be made—at any price. Prove it, before we keep your money. Be an independent buyer. Send name for **Free Catalogue No. 290**

Kalamazoo Stove Company, Mfrs., Kalamazoo, Michigan

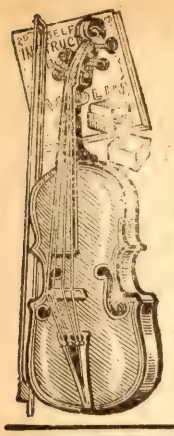




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Has **EXCLUSIVE FEATURES** not on any other range such as:
Odor Hood—Carries all steam and odors from cooking to chimney.
Ash Sifter—Permits sifting ashes right in range. No dust.
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This is the **Old Dutch Oven** brought back to life, and restored in our **Perfect Imperial. Direct from factory to you at Wholesale Price.**
Easy credit terms if wanted. Freight Prepaid. 365 Days Guarantee.
Write to-day for **Free** Catalog and Special Prices.

THE IMPERIAL STEEL RANGE CO. 325 State St., Cleveland, O.



VIOLIN FREE

This is a fine, handsome, clear toned good sized Violin of highly polished beautiful wood, ebony finished pegs, finger board and tail piece, one silver string, three gut strings, long bow of white horse hair, box of resin and FINE SELF INSTRUCTION BOOK. Send us your name and address for 24 packages of BLUINE to sell at 10c a package. When sold return our $2.40 and we will send you this beautiful Violin and outfit just exactly as represented.

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EASY TO EARN—Your choice of 150 premiums for selling our **Keystone Easy-to-Thread Best Quality GOLD EYE NEEDLES** at 5c a package. With every two packages we give **FREE** a **Silver Aluminum Thimble.** Send name and address. We send, postpaid, 24 needle packages and 12 thimbles with **LARGE PREMIUM BOOK.** When sold send us the $1.20 and receive premium entitled to, selected from premium list. Extra present **FREE** if ordered today. A post card will do. Address
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FOR SELLING OUR JEWELRY. This handsome AMERICAN MADE STEM WIND, STEM SET WATCH, engraved and proper size GUARANTEED FOR 5 YEARS. Also signet ring ready for your initial and a watch chain free to boys, girls or anyone selling 24 pieces of our handsome jewelry at 10c each. Send us name and address and we will send jewelry postpaid. When sold send us the $2.40 and we will send the watch, ring, and chain FREE
HENRY JEWELRY CO. DEPT. 68, CHICAGO



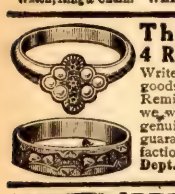
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Dale Watch Company, Dept. 53 Chicago



Watch, Ring and Chain GIVEN
FOR SELLING POST CARDS
Our American made, stem wind watch with beautifully designed case, factory-tested, guaranteed for 5 years, and exquisite ring set with a brilliant stone are given to boys and girls for selling 20 packets of high grade art post cards at 10c a packet. Order 20 packets to-day. When sold, send us $2.00 and we will positively send you at once the watch, ring and chain.
Palace Mfg. Co. Dept. 507 Chicago



WATCH RING & CHAIN FREE
STEM WIND & SET
FOR SELLING POST CARDS
We positively give FREE a STEM WIND, STEM SET, BEAUTIFULLY ENGRAVED, Plated WATCH, equal in appearance to Solid Gold Watch, American made, guaranteed 5 years, and a beautiful Ring set with an Im. Diamond, for selling only 20 packages of beautiful high grade art post cards at 10c a package. Order 20 packages, and when sold, send us $2, and we will positively send you the Watch, Ring & Chain.
WELLS MFG. CO., DEPT. 1125 CHICAGO



These 4 RINGS FREE
Write for 12 pieces of our goods to sell at 10c. each. Remit $1.20 when sold and we will send *free* these 4 genuine gold plated rings guaranteed to give satisfaction. **Friend Soap Co., Dept. 568 Boston, Mass.**



JEFFRIES-JOHNSON FIGHT PICTURES 12c
Here's your only chance to see them. Police have stopped original films all over country. Get this marvelous Kinetoscope and see actual, genuine moving pictures of best blows and knockout. Thousands sold. Everyone delighed. Sent anywhere, only twelve cents, stamps or coin.
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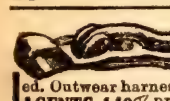


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We give Camera, 2 pckgs. plates, developing outfit, instructions, & handsome photo brooch frame *Free* for selling 12 pieces of our goods at 10c. each. You can earn money making photo brooches with this. Write for goods.
FRIEND SOAP CO., DEPT. 567 BOSTON, MASS.

$100 Monthly and expenses to trustworthy men and women to travel and distribute samples; big manufacturer. Steady work. S. Scheffer, Treas. A D 213, Chicago, Ill.



Spanish Needles, Rods, Wolf Meters for locating Gold, Silver and hidden treasures. Our instruments are the best. Cat. 2 cents.
Miners Supply Co. Dept 2 Palmyra, Pa.



Metal Flame Fastener
Does away with straps. Every farmer and teamster delighted. Outwear harness. Fasten instantly with gloves on. **AGENTS 140%** profit. Indispensible when once used. FERRY'S HANDY FLAME FASTENER bonanza for agents. Many sell dozen an hour. Sample 25c, doz. $2.75 Circular and wholesale price free.
COONER & FORTUNE CO. Dept. A INDIANAPOLIS, IND

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a CADET of Equity, and everyone that sends a NEW subscriber for one year—30 cents—will be made a PIONEER of Equity and sent a collection of twenty (20) beautiful colored and embossed post cards. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

The One Who Wins

Hard luck! you say, because you fail to win
No luck about it—failure lies within.
The luck that made you lose the race you ran
Was that you didn't know the words, "I can."

Hard luck! you say when after you have fought,
Another carries off the prize you sought.
No luck about it—you will lose until
You learn the meaning of the words "I will."

Hard luck! you say. What kind do you deserve
When every obstacle has power to make you swerve?
Stick to your course—forget to heave that sigh.
He conquers who says earnestly, "I'll try."
—Emil Carl Aurin.

I wish every Cadet could see the pile of good letters that lie before me now. The only unpleasant thing connected with this department is being compelled to lay letters aside temporarily without being able to print them. I know the young writers, everyone of whom I love, because years ago I passed through the period through which they are now passing, and had similar hopes, aspirations and ambitions—I know these writers look anxiously for their letters, and I can feel their disappointment when they fail to find them in the paper. But not one of them is lost. Each is carefully numbered and filed away, and the writer is entered on the Cadet Roll: We gladly welcome every writer, and hope that all will become Pioneers of Equity, which is one rank above the Cadets, because it actually represents work done for the good cause of Equity—equal rights for all. One subscriber for UP-TO-DATE FARMING at 30 cents a year makes a Pioneer of Equity, and each Pioneer gets as a present from Mr. Everitt, an assorted package of 20 beautiful cards.

The writer of the following letter is mistaken; we have a great many letters from Michigan, but not enough to rob them of their interest, nor to tire us:

DEAR CADETS: Would you like a letter from the copper country? I have seldom seen a letter from Michigan; they are mostly from the West and the warm South. I enjoy them very much and from them we get much that is very useful and entertaining. The town I live in is very small, nestling among the trees and hills at the foot of which is a beautiful bay. It is very pleasant here in the summer time, and most people go berry picking. Strawberries and raspberries grow in abundance, and if it happens to be a plentiful season, people from the city come to pick them, and some camp out two weeks or so. As I live on a farm, I have not much time to go berry picking, since the work keeps me busy most all summer. I think Up-to-Date a very delightful paper, and it is enjoyed by all of our family. I am 17 years old, and am a decided brunette. I am quite tall for my age, but I cannot tell exactly how many feet. I would be very pleased to exchange cards with all the Cadets, especially with Franklin Phillips of Beverly, W. Va.—Stella E. Fish, Chassell, Mich.

DEAR CADETS: Pop takes Up-to-Date and I surely enjoy reading the Cadet letters. I live in the grand old state of Pennsylvania, 5 miles from Vandergrif. We farm and huckster too. We raise strawberries, blackberries and raspberries; also wheat, oats, corn, rye and timothy; also potatoes, grapes, peaches, pears and plums. My uncle went to Florida this spring, and all came home with the malarial fever. Some people think there is no place like home, but I would like to circumnavigate the globe. I have always lived in the country, but I do not like farm life. I missed three days school last month helping cut corn.—Fern Shellhamer, Vandergrift, Pa.

Fern, you were already a Cadet, but I am not sure that your former letters were printed.

DEAR CADETS: Will you admit another Ohio girl? I am 5 feet 5 inches tall, have dark brown hair and brown eyes, and a rather dark complexion. I will be 18 December 15. We live on a 40-acre farm about 26 miles from Toledo. My brother takes your paper. I like it very much, especially the Cadet letters. I have two brothers and one sister. My sister and oldest brother are married. My father was an old soldier. I would like to exchange post cards with some of the Cadets.—Gladys D. Erehart, Colton, Ohio.

DEAR CADETS: I am 13 years old, have blue eyes and yellow hair, and weigh about 100 pounds. We live on a farm, and can raise 'most anything we plant. I know I like farm life much better than I would like city or town life. My papa takes Up-to-date, and we like it. I enjoy reading the Cadet letters. I think we all should thank Mr. Everitt for printing our letters. I guess all the Cadets are going to school, but I have not gone any this year. They are building a new house, and will have it finished in a few weeks. But I go to Sunday Schooll nearly every Sunday. A meeting will begin here tonight, which I hope will do much good. Some have been wishing meeting would begin so they could have a good time; but I don't think a person should go to church to have a good time, as that expression is usually understood. What do you boys and girls think about it? I would like to exchange cards with the Cadets. I will answer all I receive.—Edna E. Hobbs, Olinger, Va.

DEAR CADETS: I have been reading Up-to-Date for more than a year, and I have wanted to join the Cadets ever since we began reading the paper. I am 16 years old, 5 feet 7 inches tall and weigh 125 pounds. I have dark brown hair and blue eyes. I go to high school at DeGraff, and am in the Sophomore grade. I love school and I hope the rest of you do too. I will answer any mail I receive from the Cadets.—Rowena Kronskop, De Graff, O.

DEAR CADETS: I am a farmer's daughter, 20 years of age; have dark blue eyes, light blonde hair, 5 feet 5 iches tall, and weigh 90 pounds. I am a reader of Up-to-Date Farming, and I think it a fine paper because it gives such good advice. I live in Western Kansas. We have raised good crops this season. How many of you Cadets ever pulled broomcorn? This is a pretty country. We have a 320 acre farm. How many of you Cadets ever got up a club of subscribers for Up-to-Date Farming? I made a club of 15 and secured a 20th Century Tour of the World. They were lovely cards. I am going to send in a new subscription and thus become a Pioneer of Equity. I would like to exchange cards with the Cadet friends; will answer all I receive.—Vina Varnum, Rolla, Kan.

DEAR CADETS: My uncle takes Up-to-Date Farming, and I like to read the letters. I like my teacher, Miss Elizabeth McNair, very much. I walk a mile to school, and a quarter of the distance is on foot logs. Sometimes water is running under them, and in winter the water is frozen. I am 14 years old, and my birthday is December 12. I will exchange post cards with the boys and girls, and will answer all I receive.—Dora A Wilkinson, Alma, N. C.

DEAR CADETS: I am an Oregon girl, and was 19 years old October 1. I live on a farm of 160 acres in Eastern Oregon. I have a sister who is 16, and is going to school here. We have a pet lamb that gives me a whipping just about every day. I enjoy reading the Cadet letters very much, and will exchange cards with any of the Cadets.—Hazel Ballance, Susanville, Oregon.

DEAR CADETS: I live on a farm and like it very much. I was 15 years old September 30. We are fixing for the fair at Brook Haven today, and it looks very much like rain. I go to school 3 miles at Mt. Mariah. I like Up-to-Date Farming, and want to be a Cadet. I will answer every letter or card I receive.—Addie Lee, Bogue Chitto, Miss.

DEAR CADETS: Would you like to hear from a girl in the thumb of Michigan? I live on a farm with my parents, sister and two half brothers, 4 miles west of Lake Huron and 4½ miles from Harbor Beach City. This is a lovely country. I have a pony I can drive, and also a beautiful mahogany piano, and can play it nicely. We all like school work. We also have a large gravel pit. Papa had a sample of the gravel at the Detroit State Fair 3 years ago and it took first prize. We sell lots of it for mason work, and grand roads are built of it. I will be 13 years old February 27, and would like to have a post card shower from the Cadets.—Della A. McArthur, Harbor Beach, Mich.

DEAR CADETS: I live in Custer county, Oklahoma, on a farm of 320 acres. We raise corn, wheat and oats mostly. I don't think I would like to live in a city. I think Up-to-Date Farming is a good paper. I will answer all cards I receive from Cadets.—Ellis Stoddard, Butler, Okla.

DEAR CADETS: How would you like to hear from another Pennsylvania girl? I am 18 years old, have brown hair and brown eyes. My home is in the country, and I like it very much better than in the city. We are well pleased with Up-to-Date. I would like very much to exchange cards with any of the Cadets.—Bessie Allison, Alum Bank, Pa.

DEAR CADETS: I am 14 years old and have brown eyes, dark hair, and weigh 100 pounds. We live in a little town, but I work in the field. My papa is a Christian preacher, and is away from home most all the time. I make a hand at picking cotton, but the most I have picked in a day is 202 pounds. I go to school every winter, but our school will not begin until November 15. I would like to exchange cards with some of the Cadets.—Mary Thompson, Reck, Okla.

DEAR CADETS: I have been reading Up-to-Date for some time, and I enjoy it very much, especially the Cadet letters. The children of this vicinity have organized a society which they call "The Local Eagle of Equity." The meeting was held at the home of Mrs. John Culbertson, and the officers elected were: President, Carrol Culbertson; vice-president, Ruth Langton; secretary, Donald Mills; treasurer, Helen Daniels. I am 12 years old, and have lived on a farm all my life, except two years, and I think the farm is the ideal place for boys.—Donald Mills, Mendon, Mich.

Your type written letter looks like business, Donald, and I wish you success with your society. I recommend that you write to Mrs. James Howey, E. Jordan, Mich., for the officers of the Cadets local union recently organized at Centreville, Mich., and correspand with them. Your letter reminds me of boyhood efforts in my own life, but that was quite a number of years ago.

DEAR CADETS: I like to read the Cadet letters better than any thing else.

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CROOKED OR CLUB FEET of any variety, and at any reasonable age, can be made straight, natural and useful. No plaster paris, no severe surgical operations, and the result is guaranteed.



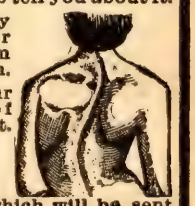
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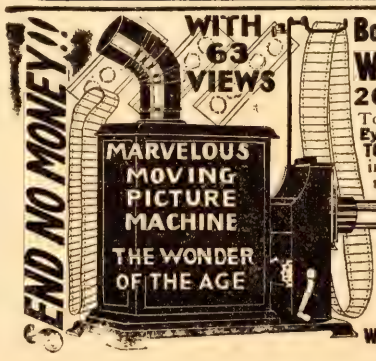
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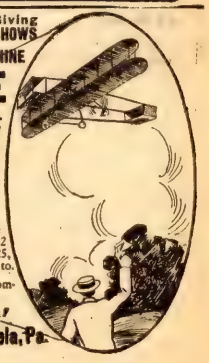


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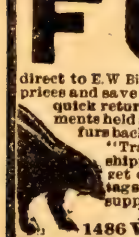
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Our price list is completed and we are now busy mailing it.

We want all readers of Up-to-Date Farming who are interested in Furs to write us their name and address. We will send you our price list and keep you posted the entire season. We also have a few thousand Trappers Guides left containing 100 Ways and Means of trapping Fur Bearing Animals.

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Why sell your skins at home when you can send them to us and save all middlemen's profits? New York is the best market in America. We pay cash for hides of Skunks, Minks, Coons, Opossums, Foxes, etc. Thirty years in the business. No commission charged. We stand express charges. Write for price list.

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We have been taking Up-to-Date for nearly a year, and we like it very much. I live on a farm of 160 acres about 3 miles from Traverse. I am 17 years old, have light brown hair and blue eyes, and am 5 feet 4 inches tall. I am going to try to be a Pioneer of Equity soon. I think every farmer should take Up-to-Date. I would like to exchange cards with the Cadets, and will answer all I receive.—Anna Shane, Traverse City, Mich.

DEAR CADETS: I am a South Dakota girl, and live on a farm of 160 acres. We can raise corn, wheat, oats and potatoes, and all kinds of garden vegetables. But we did not raise much of anything this year because it was so dry. This is a new settled country. There are lots of big buttes here, and there are no trees except along the creeks. I am 15 years old, and 5 feet 3 inches tall, and have light hair and blue eyes. I am taking Up-to Date myself, and have been taking it quite awhile, and I think it the nicest paper I ever took. I enjoy myself reading the Cadet page whenever I get lonesome. I would like to exchange post cards with the Cadets, because I am a lover of post cards, and will certainly answer all the cards I receive.—Amanda Olst, Chance, S. Dakota.

DEAR CADETS: I have just finished reading the Cadet letters, and I enjoyed them very much. I live in Arizona, about 57 miles from Phoenix. We live on a farm, but have not got it improved much yet. I came here last summer with my youngest sister, and we have been in town going to school, but we are not going this term on account of ill health. I have been to two ice cream suppers, two melon parties, and one birthday party. I had a fine time at all of them. We were invited to several others but could not go. We went to church one Sunday in a spring wagon with another family. I surely did enjoy it, because it had been so long since I had been in a wagon. I would like to go on a hay ride some time soon. I go walking nearly every evening, and I have seen three coyotes, one wild cat, and another wild animal I don't know what it was, besides several skunks. I am 16 years old, and I would like to ask if there is any age limit to the Cadets, and also what the motto, object and plan are.—Gussie Green, Arlington, Arizona.

Oh, yes, there is an age limit, but it is not so much in years as in nature and disposition. Some people are younger at 40 than others at 20. The Cadets have no special motto, and their object and plan is to give the young people a chance to be heard, to improve their talents, and get acquainted with each other through the friendly columns of UP-TO-DATE FARMING though rivers, mountains and seas may separate them. But Gussie, those evening walks of yours among the wild animals of Arizona! Not many of the Cadets in the States would be brave enough to join in them. I thought I would have to leave out Louie's letter for lack of room, but have decided to crowd it in.

DEAR CADETS: I formerly lived in Bisbee, Arizona, but I came to Arlington this summer. Bisbee is a mining camp, and it is very interesting to go down in the mines. There is also much beautiful scenery on the mountains. I may describe some of the mines and scenery if the Cadets wish. I was 14 years old the 16th of August, and I would be glad to exchange cards with the Cadets.—Louie M. Green, Arlington, Arizona.

DEAR CADETS: I am a Texan by birth and I am glad I live in this grand old state. I live on a 500 acre farm, and I just love farm life. I think it is the happiest life any one can live. We raise all kinds of fruit and vegetables and grain. Crops are fine here. I am a girl of 16 years have brown curly hair, blue eyes and a fair complexion, and weigh 132 pounds. I would be glad to receive cards from any of the Cadets, but would like specially to correspond with Mary Unferfenth of Indiana.—Florence Keith, Port Neches, Tex.

DEAR CADETS: I live in the city of Billings. It is a nice place of about 15,000 people. I am going to high school and like it fine. I am a dark complected girl, and weigh 118 pounds. I would enjoy hearing from any of the Cadets.—Myrtle Bland, 107 S. 29th St., Billings, Mont.

We are for Equity, you know, and that includes the city people as well as those who live in the country.

DEAR CADETS: I am a little boy 8 years old, and live on a farm one mile from Millwood. I have a horse, bridle and saddle. We raise corn, tobacco, wheat and oats. I like farm life. I am going to school in the fourth grade. We take Up-to-Date Farming, and I can hardly wait for it to come. I enjoy reading it. I would like to exchange cards with Cadets.—Johnnie L. Gorin, Millwood, Ky.

DEAR CADETS: I am a little 5 year old boy, and I would like to become a Cadet of Equity. My father takes Up-to-Date, and we all like it real well. I love to hear the Cadet letters read. I take my chair close to my mother to hear her read the letters as soon as the paper comes. We all feel so sorry for little Nellie Tipton. I have a sister younger than I am, and her name is Frances Mourine. I have a big blue cat that is all my own, and I named him David for the giant killer. I live on a farm of about 110 acres. I love farm life better than city or village life. God bless the Cadets.—Allegra K. Allen, Hardinsburg, Ky.

I am sorry to quit with a big pile of letters before me, but we have gone the limit this time. Every new reader of UP-TO-DATE FARMING makes a new friend for Equity and the Cadets, and every step upward is an advance in the right direction. It is an easy step from CADET to PIONEER, and a work is done that puts you higher and makes another friend for Equity. And think of the beautiful cards you get to send to your friends this winter. I would like for the grown-ups who read these letters to note the States and Territories from which they come. Up-toDate's field is the whole world.

Now for every CADET to become a PIONEER. Use the coupon.

Declaration—Equity is equality of rights, privileges and opportunities. I am in favor of Equity in all the relations of life. Therefore, I want to become a PIONEER of Equity and send one new subscriber to UP-TO-DATE FARMING and 30 cents to pay for it. Please send me the reward of twenty (20) post cards as offered.

My Name .....

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Send the Paper to.....

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CARE OF GUNS

I think it is too bad that so many riflemen, both old and young, do not know how to properly care for a fine rifle barrel, and having been through the mill myself during the past forty years, I feel it a duty to the boys to tell them a few things, which I think if found out by experience costs very dear.

In the first place, a rifle that has rust spots on it is a dead one, for me at least, as there is no way out of the fix except to re-cut the barrel. In the second place it is so easy to prevent rust that it is a wonder to me that anyone ever allows it to take place.

First, take a moderately tight-fitting rag and wet it with water; pinch out the surplus water with the fingers; put this through the barrel several times, so as to wet all the black powder, then put through several dry rags to wipe out both powder and water that may be left; then one rag with plenty of "3-in-one" oil or pure vaseline, and the job is finished.

In case of smokeless powder use alcohol in place of water, and proceed with dry and oiled rags same as above for black powder. If a rifle is wiped inside with dry rags and then set away it will surely rust. The job is only half done and the gun ruined. Oil is the universal remedy to prevent rust. Black powder will cake in the barrel in warm or dry weather; just breathe through the empty barrel once when in the bush and go on with your hunting. The next shot will take out all the caked powder; but when finshed for the day, clean and oil as above directed before you retire.

A rifle, so treated, will last for many years without a particle of rust.—S. C. Read, Yukon Territory.

THIS YOU SHOULD HAVE

That was certainly a splendid proposition of the Youth's Companion in our Nov. 1 issue; especially is it so when one considers the high character of the paper. Every home needs it, if only for its moral effect on the growing mind. Every parent should look up that advertisement and see that that paper is included in next year's reading.



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It is poor economy for you to buy a light cloth overcoat that looks good for but one season and lasts about two when you can for 50 per cent less money, get a fur coat, warmer and guaranteed waterproof that will last for many years. You owe it to yourself and family. Keep them warm during the cold winter to come. Your friends want fur coats too. We tan any kind of wild or domestic skins and make them into furs or robes.

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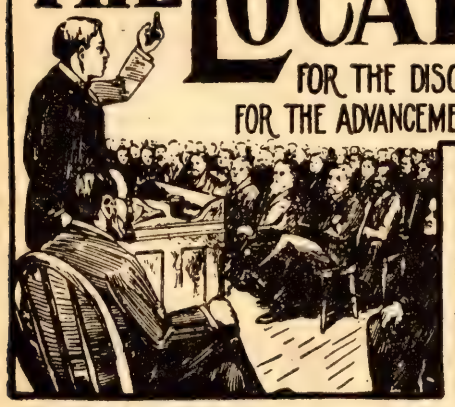
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FOR THE ADVANCEMENT OF CO-OPERATIVE FARMING



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OVER 140,000 PEOPLE now subscribe for UP-TO-DATE FARMING. Many of them have their subscription paid several years in advance. These people are the most enlightened on Twentieth Century farming methods of any farmers because they not only know how to produce crops but they have learned the practical way to market them to get more of the money that the final consumers pay for them.

We can say without fear of successful contradiction that there is not a newspaper or magazine published in the country that exerts a greater influence for good on its readers than UP-TO-DATE FARMING does. Since this is true then it follows that every increase in ciruclation increases the power of this paper for good in an equal ratio.

We want this season to be the banner one for new subscribers and long time subscribers. Subscribers to UP-TO-DATE FARMING renew probably better than for most other farm papers, but each year we must conduct an expensive campaign to bring in the careless persons. We want to avoid that as much as possible by getting long-time subscriptions. To that end we now offer **FULL FIVE YEARS, 120 ISSUES FOR $1.00.** Less than one cent a copy. (It is almost certain that the paper will be published weekly before many more months have passed.)

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We will accept a five years subscription to this paper now for one dollar.

—o—

Read this number through, the editorials, the departments, the markets, and don't forget the advertisements—note the way it handles great and complex problems, unlike any other paper of any class; its invaluable advice about marketing; its system that every subscriber can use for directing the marketing of crops; its helpful departments on growing crops; the home department; its exceedingly interesting and highly educational department for the young folks. Note carefully all of these things and then know that you can subscribe for this paper, progressing, improving and getting more powerful each month, for **FIVE YEARS FOR ONLY $1.00.** Does the real significance of this great offer impress every single farmer in the country and every member of his family as it ought to?

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People who read UP-TO-DATE. FARMING for a short time begin to see new possibilities in farming; they begin to realize the **infinite possibilities** of life and business in the country; it begins to dawn upon them that it is only a step from being the dependent and exploited class, to independence and the most respected, most influential, and most powerful class in our whole country. And the step to take, the simple and easily taken step, the all necessary step, is plainly shown by this paper.

—o—

And hundreds are actually taking the step each day, it ought to be thousands, it must be thousands and we believe as firmly as we ever believed anything would come to pass that soon thousands will be rallying to this paper's banner and **ALL** that **it** represents, each day.

—o—

Our contest is each farmer's, and each friend of farmer's contest, therefore our allies and co-workers will increase in number until UP-TO-DATE. FARMING lead an ever victorious army.

—o—

Farmers throughout our beautiful, broad land have been engaged all this year, down to this eleventh month in growing many crops; the most valuable, comodities in the world, measured by the necessities of the human family and our domestic animals. By the exercise of rare intelligence, arduous labor and the favors of Providence in sending a good season their efforts were crowned with a glorious success. They deserve to be congratulated on their success in producing.

—o—

But producing is not all of farming, or it should not be. There is a side to it that is as important. We have said as much many times but it will not hurt to say it again. Marketing, marketing to get back the money invested, a fair reward for labor and a good profit besides is as important as producing.

—o—

This brings up the question: Can a farmer cover the cost if he sells corn at 35 to 40 cents? Can he afford to raise wheat and sell it at 80 to 90 cents? Does he meet expenses, get a fair wage and make a good profit when he sells his potatoes at 20 to 30 cents a bushel? Is there any profit in oats at 30 cents, or hay at $8.00 at his station?

—o—

In the seven years ending 1909 the value of farms the country over nearly doubled in value. Why? Because the prices of crops were always good and the acres made a good net profit. Mark our prediction! Less than three years hence, with crops selling at present prices will see the value of farms back where it was eight years ago.

—o—

But don't be alarmed. There is no power on earth that can keep the prices of farm crops below a profitable basis, permently, in the future. The power of money in the hands of speculators and exploiters, with their cunning and their sharp tricks can do it for a time as they are doing it now. But they are a wise set. They are not going to kill the geese that are laying their golden eggs. In other words they will not carry their bear campaign to a point that the 1911 acreage will be reduced and thus beat their own game.

—o—

When the prices have been pounded down as low as is safe and the bears have loaded up all they can carry every one of them will become a bellowing bull and will toss the prices up with their horns (figuratively speaking) and on the advance will duplicate the profits, taken on the decline.

—o—

We may be mistaken. But it is pretty safe to work on the assumption that people won't do foolish things and continue to do them always. It is foolish to raise crops and sell them at a loss.

—o—

Our advice is, don't sacrifice any crop by selling below cost of production. As for grain, the speculators can't play their game successful unless there are advances to correspond with the decline. We believe the time has nearly arrived for an advance. Potatoes, cabbage and other perishable crops must be marketed gradually and glutted markets avoided if possible. The Equity System of directing, this paper's system, is the producers best friend in all marketing operations.

—o—

Oneness in farmers marketing will perform wonders. Use The Equity System. Fill out the blank below and mail and get help in your marketing. Ing.

DIRECTORY CHANGES.

The following changes have been made in the Equity System of Marketing Directory. Members and new subscribers or renewals will be supplied with the revised directory but the changes are printed here for their guidance as well as for others who may contemplate using the System.

MICHIGAN — Kalamazoo, Kalamazoo Cold Storage Co., representative.

MINNESOTA — Minneapolis, H. P. Luse, representative. St. Paul, C. C. Emmerson & Co., representative.

New Markets Established.

GEORGIA—Atlanta, C. M. Fulgmun & Co., Macon, W. W. Anderson & Son.

NORTH DAKOTA—Bismarck, Bismarck Commission Co., representative.

TEXAS—Fort Worth, Montgomery & Co., representative.

Representative Changed.

NEBRASKA—Omaha, H. U. Chaney is representative now. Bonded.

Markets Retired From.

KANSAS—Atchison; OHIO—Cleveland (Temporarily). Texas — Beaumont.

Write headquarters before shipping to the following:

TENNESSEE — Chattanooga and Memphis. UTAH—Salt Lake City.

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.



A SURE THING IS A THOUSAND TIMES BETTER THAN A GUESS

There is no Guessing

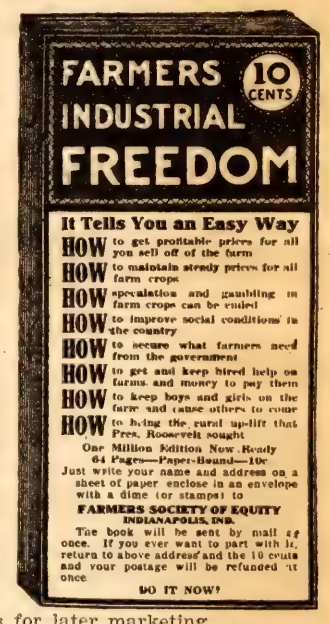
When you market through The Equity System. Personal, responsible representatives on 65 of the largest markets of the country are always ready to look after your shipments just as well as you could if you accompanied them.

THE EQUITY SYSTEM OF MARKETING was at first intended to be limited to members of the Farmers Society of Equity. But there are so many crops being dumped on illogical markets, resulting in gluts and low prices, that we have concluded to broaden the scope of the system as much as possible and bring as many crops under its direction as possible.

To this end each subscriber of Up-to-Date Farming or member of the F. S. E. is invited to report to us the crops he will sell in the next 30 days and we will put The Equity System to work on them. In a few days after you mail the blank, below, you will receive the market prices from several markets from which the highest and best one can be selected. This service is now free to SUBSCRIBERS whose time is paid in advance as well as to MEMBERS.

We believe members of the F. S. E. will approve of this step because they are interested in bringing as much of the crops under control as possible, to prevent gluts. Understand, there is nothing in this that urges marketing at low prices. On the contrary we want every farmer to keep the minimum prices in mind and hold for them. But our purpose is to direct the crops, that will or must be sold, to the best markets. Also, farmers who use The Equity System and get more money for their crops and have less trouble in marketing, will become members and spread the Society in their communities.

Therefore, any crops that you expect to market, or ship for storage, in the next 30 days list them below, but no others. Blanks will be printed in future numbers for later marketing.



The only condition we make is that 10 CENTS should be sent for a copy of the book "FARMERS INDUSTRIAL FREEDOM" unless you have it already. It has 64 pages and cover. It will give you a complete education on the marketing side of farming which is the more important half of successful agriculture. You have no book big or little, worth as much, yet the cost is only 10 cents. We do not sell it to make money but it ought to be read by every farmer who wants to get more money for his crops.

If you want all your crops are worth send the blank below.

FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.

EXAMPLE—The Equity System is getting an average of 8 CENTS a bushel more for potatoes than local buyers would pay.

Name of Crop	Quantity	When Ready	Variety, Class or Grade

This report is from..... P. O.....

R. R..... Shipping Station..... State.....

Are you a member of F. S. E.....

Are you a paid in advance subscriber to Up-to-Date Farming.....

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

MINIMUM PRICES 1910 CROPS

We believe the following are fair and equitable minimum prices for the crops mentioned. We believe conditions of supply and demand are such that these prices will be paid before the next crops are produced. Certain it is that if producers will hold their crops and ask these prices they will be paid, because the world of consumers cannot get along without them. The farm price will be the minimum price less freight and a fair commission to the handler.



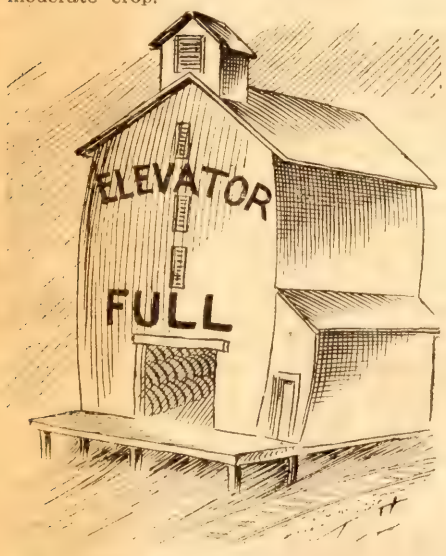
Minimum prices on other crops will be announced later.

WHEAT—No. 2 red, at Chicago	$1.20
WHEAT—No. 1 Northern (Spring) at Minneapolis,	1.20
CORN—No. 2, at Chicago, before Jan. 1	.60
CORN—No. 2, at Chicago after Jan. 1	.65
OATS—No. 2 white, at Chicago	.47
BARLEY—Good malting, at Chicago	.75
RYE—At Chicago	.75
BUCKWHEAT—At home	.85
BEANS—at Detroit	$2.50@2.75
TIMOTHY HAY—Choice, at Chicago Per ton	$20.00@24.00
CATTLE—Choice to Fancy Steers, at Chicago, per cwt.	$7.50@8.50
HOGS—At Chicago, per cwt.	$7.50@10.00
POTATOES—From the field, good to choice	40@50c
BROOM CORN—At Chicago,	$150@175
COTTON—At Galveston, New Orleans, Mobile, etc., per lb.	15c

WESTERN RECEIPTS OF GRAIN

Comparisons Nov. 4.	and year ago.
Wheat 869,000	1,349,000
Corn 294,000	329,000
Oats 469,000	528,000

SINCE our report two weeks ago killing frosts have occurred over the corn belt and all points North. The frost at such a late date was mainly beneficial as practically all crops had matured naturally and the frost will help to harden corn and potatoes for market. Cotton would have produced more if the frost had been delayed longer, but not a very material quantity. Corn promises now to be a record crop, potatoes have improved and will be sufficient for all needs without any likelihood of high prices any time in the season. Cotton is estimated at about 12,000,000 bales, only a moderate crop.



The visible supply table below is worth studying. Wheat and barley show moderate increases over two weeks ago; corn and oats decreases. Compared with last year all but barley show increases. But note particularly that the visible supply of wheat two years ago was 1,541,000 bu. more than now. In view of the low price of wheat now it is interesting to note the course of the market for the 1908 crop, as follows: (Basis, Chicago cash market) Nov. highest, $1.10, lowest 99¼c; Dec., highest, $1.07, lowest 99¼c; Jan., highest, $1.08⅛, lowest, $1.03¼; Feb., highest, $1.24, lowest $1.07½; March, highest, $1.26⅜, lowest, $1.17⅜; April, $1.44¾, lowest, $1.19; May, highest, $1.54, lowest, $1.26½; June, highest, $1.60, lowest, $1.29; July, highest, $1.40, lowest, $1.06¼. We will not guarantee that anything like in 1908-9 will be repeated but conditions are shaping for the most superb opportunities for speculation, besides the actual supply and demand situation, we consider, justify higher prices. We still recommend farmers having wheat to hold it for $1.20, our minimum price.

The price situation is bad. All grains are too low and the very fact that they cannot be produced at a profit at prevailing rates suggests a prompt advance. Also receipts have fallen off and there is an improvement in demand, particularly on every upturn of the market. We will repeat what we said before; all that is needed is a good upturn in prices when the demand, both domestic and foreign, will surprise everybody.

The potato situation is a delicate one. What earlier looked like a sure short crop, because of unfavorable season, has resulted in a large crop because of the favorable fall. There are sections with short crops, but there are others, particularly in the East where the crop is very heavy. The crop will be much short of last year, and one that offers the ideal conditions for controlled supply and directed marketing, if the growers were ready to follow such a plan. Our advice is to market part of each crop and hold part. In this way the price may be maintained at a fair level this fall and the advance for next spring may pay for holding them over. But the great trouble is, this paper does not reach enough growers now and our advice cannot be received by all. This suggests that each present subscriber should get others or let their neighbors read their copies. But the most important advice we can give is for all to market through The Equity System. Only in that way can any direction in marketing be given and glutted markets avoided. For instance we open this form on Nov. 7th to say that the Chicago market is over crowded with potatoes and no more should be sent there for a while.

Don't hold potatoes for a high price this year. Don't sell them short of a small profit.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supply of grain in the United States, by Bradstreet's reports on Oct. 29th, 1910, with comparisons are shown in the following table: — before figures means decrease, X means increase.

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

October 29, 1910	Change from two weeks before	Change from a year before	Change from 2 years before	Change in same period last year
	Bushels.	Bushels.	Bushels.	Bushels.
WHEAT ..	51,268,000	X2,936,000	X15,784,000	—1,541,000	X2,931,000
CORN ...	5,992,000	—761,000	X1,084,000	X3,281,000	—1,470,000
OATS	26,308,000	—990,000	X7,532,000	X10,202,000	—395,000
BARLEY .	3,822,000	X94,000	—2,248,000	—5,237,000	—17,000

Week ending	Oct. 28, 1910	Oct. 21, 1910	Oct. 29. 1909
American	2,438,818	2,195,409	3,304,388
Other kinds	582,000	550,000	412,000
Total	3,020,818	2,745,499	3,716,388

Price—middling upland, 14.80c; middling gulf, 15.05c. The price is about 50c cwt. higher than two weeks before.

CLOSING PRICES OF CASH GRAIN

Minneapolis—Wheat, No. 1 hard spring, $1.02¼; two weeks before, $1.05¾. No. 1 Northern spring, $1.01½; two weeks before, $1.04½.

WHEAT NO. 2 RED	Nov. 4.	2 wks before
Chicago	89½@90½	94½@95½
St. Louis	94	99 @$1.00
Kansas City	91	94
Cincinnati	.91 @95	97 @$1.00
New York	95	98

FUTURE GRAIN PRICES

Chicago futures closed Nov. 4, as follows:

WHEAT—Dec. 88⅜c; May, 94⅞c; July, 92⅞c. Two weeks before, 92¾c, 99¼c and 96¼c respectively.

CORN—Dec. 47¼c; May, 49½c; July, 50¼c. Two weeks before, 50¼c, 48½c and 49½c respectively.

OATS—Dec. 31½c; May, 34½c. Two weeks before, 30¼c and 33⅝c respectively.

CHICAGO PRODUCE MARKET

Nov. 4, 1910.

POTATOES—Buyers have been taking hold quite freely all week, and have enough stock on hand. Wisconsins are generally too poor. They are mainly coarse, hollow, or green, and the good trade cannot use such stock. Sales are generally to peddlers at low prices. Offerings continue liberal and holders report a weak feeling. Good stock was called steady, yet there was not much demand today. Of really fine, fully matured stock there are only occasional cars. Receipts continue liberal.

Sales reported were: Wisconsins—6 cars at 35c, 4 cars at 36c, 2 cars at 37c, 1 car at 38c, 1 car at 40c, 1 car sacked at 42c. Michigans—1 car good at 48c.

Per bushel, Michigan, round, white, common green to fairly good, immature ..... $ 40@ 48

Ripe stock higher.

Wisconsin, mainly immature stock, small or large and hollow .... 35@ 38

fair to good, not fully matured 40@ 45

The market is 2 to 5 cents lower than two weeks before.

HAY—Timothy hay firm. Demand good and offerings only fair. Kansas Prairie hay quiet. Offerings large and demand only moderate.

Choice timothy hay	$17.50@18.00
No. 1 timothy	16.00@16.50
No. 2 timothy	15.00@15.50
No. 3 timothy	12.00@14.00
Kansas and Oklahoma Prairie, choice	15.00@15.50

The price is $1.00 a ton lower on timothy; prairie no change.

BROOM CORN—The market is ruling quiet. Arrivals very moderate. Choice brush $130@140 a ton; medium, $110@120; common, $90@100.

CORN NO. 2 WHITE		OATS NO. 2 WHITE	
Nov. 4.	2 wks before	Nov. 4.	2 wks before
50½	48¼	32@33	32@32½
49½	49½	33	32½
47½	48½	32	32
51	52	34	34
37¾	56	37½	37½

The price is the same as two weeks before.

BEANS—There is a steady market. Demand is fair for all kinds. Receipts are fair of Pea Beans and they are being taken. Limas are in fair supply. As yet there are few Red Kidney and Brown Swedish on sale.

Pea Beans—	
Hand-picked, choice	$2.15@2.20
Good, but not strictly hand-picked	2.00@....
Medium nominally about same as Pea Beans.	
Red Kidneys	3.00@....
Brown Swedish	2.75@....
Limas, California, per 100 lbs.	5.40@5.50

The price is the same as two weeks before.

APPLES—Are having a good sale, both barrels and boxes. There is a good supply of boxes and offerings of barrel stock are ample for the demand. Quality usually is good—that is, the condition is good as a rule. There is, as always, some No. 2 stock. All grades are meeting with very good sale. A steady to firm feeling prevails. Fancy goods, dealers' own packing, are not offered much. Most of these are going into coolers for later trade. Prices range as follows:

Barrels—regulation size—

Baldwins, No., $3.00; fair to good $2.50. Pippins, all kinds, No. 1 $3.50@3.75. Rambo, $2.75@3.00. Greenings, fancy $4.00. Twenty Ounce, $4.00@4.50; fancy $4.75. Talman Sweep, fine quality, $3.25@3.50. Grimes Golden, choice $4.00. Ben Davis, No. 1 $2.75@3.00. King, choice to fancy $4.00@4.50. Jonathan, good $4.00@4.50; fancy high color $5.25@5.50. Rusty Michigan $2.00@2.50. Snows, No. 1 to fancy $4-@4.25. Spies, Michigan, common and rusty $2.00@3.00; New York, No. 1, fancy $4.00-@4.25. York Imperial, No. 1 to fancy $3.25@3.50; fair to good $2.75@3.00. Russetts, No. 1 $2.50@2.75. Cooking apples, different kinds, good to choice, $2.75@3.50.

Western box apples—

Washington or Idaho—King David, $2.50; Spitzenberg, $3.00; Delicious, $5.00; Stayman, Wine Saps, $2.25@2.50; Ordinary Spies, $1.40@1.85; Greenings, $1.50@1.65; Arkansas Black, $1.40@1.75; Wagners, $1.50@1.85; Mackintosh Red, $1.40@1.75; Bellflower, $1.25@1.50; York Imperial $1.25@1.50; King, $1.50; Jonathan, choice to fancy, $1.50@2.25; Grimes Golden, small $1.00@2.00; Kansas Grimes Golden, small $.75; Ben Davis and Jonathan, $1.00.

Bulk, per 100 lbs, hand-picked, good orchard run, specked and cripples, $1.00@-1.25.

The price is about the same as two weeks before.

EGGS—The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 19½@-22½c, depending on quality. Ordinary Firsts quotable at 24c. "Firsts" quotable 26c per dozen. "Prime Firsts" quoted at 28c. Checks or Seconds quotable 14@-16½c. Dirties quotable 17@18½c per dozen, according to quality.

Refrigerator April Extra offered at 24½c and 23½ bid.

The price is one cent a dozen higher than two weeks before.

Engine Buyers!
Read! Read! Read!

Write us now in regard to our money-saving Gasoline Engine proposition. Give size of engine wanted, so we can give you the exact information you require. Don't fail to write, *right now,* so you can be put right. *30 days' free trial.* Prompt Shipment.

Importance of Writing Now and Giving Size

BUYERS! Do yourself and us a big favor by mailing us your name and address on a post card, today, giving us the size of engine you need and the use you will put it to.

Quick action on your part is demanded to get this first offer. Don't buy or order an engine until you hear from us. You owe that much to your pocket-book, and every ***day you use our engine you*** will appreciate the service we render.

QUALITIES OF GREAT IMPORTANCE

Write for particulars of an engine that gets up-to-date power from every quart of fuel—one that has the record for lowest up-keep cost—that is specially ***adapted for your use—that is why we want size and purpose stated.***

Quick Starting

Write for information in regard to an engine that is the quickest and easiest starter made. Thousands of engine users waste time and wear themselves to a frazzle in starting their engines, owing either to cumbersomeness or to weather conditions. Mr. Beverly D. Beebe, Easton, Md., has three gasoline engines of three leading makes. He writes us: "I can start the Temple on a cold morning five times while starting either of the other engines once." Our mails are full of such comparisons.

The Importance of Easy Moving From Job to Job

Write for the facts regarding a Slow Speed, High Duty Engine, which is quickly, easily and cheaply moved from job to job on the farm, or hauled without being mired over bad roads. It requires a team of horses to move 90% of the average sized engines made. Not so the Temple! We save that loss of time and money. Writes Harvey C. Reilling of N. Girard, Pa.: "Two men can push a 6 H. P. Temple Engine about the farm, while it takes a team of horses to draw a horizontal engine of same size."

An Engine That Pays For Itself

We conscientiously claim that in economy of oil consumption, in quick and easy starting, in the saving of labor in moving from job to job, in the perfection of lubrication and overcoming of vibrations, in the steadiness of power, thereby saving all waste of grain and reducing wear and tear on the machine it operates, that the ***Temple Engine Pays For Itself,*** that, in fact, ***It Costs Nothing to Buy.*** Write, therefore, at once and be sure to give size of engine you want and the intended use, so we can write you ***Just What You Need.***

The Temple Engine is the favorite Contractors' engine. We have scores of letters from Contractors saying ***"We get all the job work because we have a Temple."*** This is our 58th year, which means reliability and absolute justice to every honest buyer. 1 1-2 H. P. combination pump jack and power engines—3, 4 and 5 1-2 H. P. single cylinder engines, 6 to 20 H. P. double cylinder engines, 30 to 80 H. P. 4 cylinder engines.

We can ship promptly if ordered now.

THE TEMPLE PUMP CO.

456 W. 15th St., Chicago.

Especially adapted for operating all machinery requiring *steady speed motion,* Threshers, Ensilage Cutters, Separators, Dynamos, Cotton Gins, etc.

When to Sell Where to Sell How to Sell

WHENEVER you have anything to sell sell it through THE EQUITY SYSTEM, which is the business plan of the Farmers Society of Equity. Read the following market reports carefully. They will give you valuable information. Select the markets that appear to be the logical ones for what you have to sell and ship at once or write first. EXERCISE GOOD JUDGMENT. Don't ship small lots to distant markets, but car loads. If you have not enough get your neighbors to join with you.

There is a difference of 5c, 10c, 25c, 50c or even a dollar or more per unit in values on different markets. The Equity System enables you to SELECT THE HIGHEST ONE. Then the local buyer charges a good sum too for doing your business. What's the use of standing these taxes? Potatoes marketed through The Equity System have, up to this time, averaged 8 cents per bushel more to the growers than the local prices; apples from 50 to $1.00 a barrel; grain 1 to 10 cents a bushel and other crops the same way.

Farmers must do more of their own business and close the toll gates. The best way is to organize a local union of the Farmers Society of Equity when the secretary will be the BUSINESS AGENT for all the members. While waiting for that do your own business direct through The Equity System.

EVERY REPRESENTATIVE IS VERY RESPONSIBLE and with high commercial credit. Financial and credit reports will be sent on request.

Always address "THE EQUITY SYSTEM" at the markets you select. There are many more markets than those below. The System is for members of the Farmers Society of Equity and paid in advance subscribers to Up-to-Date Farming. A night letter of 50 words can be sent by wire for the day rate for 10 words. Every time you ship send duplicate notice to headquarters.

FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.

ALABAMA

MONTGOMERY—Our market needs corn, oats and hay; potatoes, cabbage, onions, beans, etc. Give us a liberal share of inquiries as we believe our market merits a liberal share of your shipments on its merits.—THE EQUITY SYSTEM.

ARKANSAS

FORT SMITH—We now need Northern fruit and produce and Western grain and hay. Write or wire what you have.—THE EQUITY SYSTEM.

CALIFORNIA

LOS ANGELES—Pacific's coast growers should not neglect to tell us what they have to sell. This market is consuming great quantities of produce every day. All offerings promptly bid on.—THE EQUITY SYSTEM.

GEORGIA.

ATLANTA—We have just begun to represent your Equity System and believe the plan is a good one. We are sure that as growers understand the system they will use it to advantage. A large part of our supply is now coming from near by states but we will need potatoes, onions, cabbage, etc. from the North by Nov. 20th. Apples needed all the time. Also hay, oats and corn. We will look after all shipments of cotton to this market.—The EQUITY SYSTEM, W. W. Anderson & Son.

MACON—We want to hear from Equity people having apples, potatoes, cabbage, onions, beans, etc. to sell. Also corn, oats and hay. This market is supplied with potatoes from Maine, New York and Michigan. We have just begun to represent The Equity System. We believe in it.—C. M. Fulghum & Co.

ILLINOIS

CHICAGO—The greatest factor in getting good prices for produce is the grading. Farmers should not send green potatoes. Large size is not an objection if they are solid, but if hollow hearted they suffer in grade and price. We advise sacking in 150 pound bags and the No. 1 grade will usually bring more than if the off grades are left in. We have a splendid market for all kinds of apples. Also good for cabbage. Sweet potatoes in demand also poultry and eggs. We are at the service of the Equity shippers for these and other produce, also grain, live stock, etc., and everyone may be sure of a straight, square deal.—THE EQUITY SYSTEM.

PEORIA—This market is in line for Michigan potatoes this year on account of the short crop in states west of the lake. We want to hear from Michigan growers. As a hint to eastern growers will say that Minnesota stock is held at 15 cents advance over eastern. There is also a fine demand for fancy red globe onions, No. 1 apples in barrels and Holland and Danish cabbage. Let us know your price or get ours.—THE EQUITY SYSTEM.

INDIANA

INDIANAPOLIS—This market has been very good on potatoes, higher than some of its Michigan cities and several cars of potatoes have been taken with excellent satisfaction to shippers. We need more barrel apples but have too many of box sort; onions doing exceptionally good. Sweet potatoes in request. Keep grain away, too much now and prices too low. Hogs and cattle doing well.—THE EQUITY SYSTEM.

KENTUCKY

LOUISVILLE—Nearly all kinds of produce from distant sources in demand here now and all offerings will have prompt replies by mail or wire.—THE EQUITY SYSTEM.

MASSACHUSETTS

BOSTON—The Maine potato crop is very large and no person here seems to be interested in buying. We think it will be wise for Western consumers to look to Maine for part of their supply. All other produce in good demand. Fancy box apples are consumed here in small quantities.—THE EQUITY SYSTEM.

MICHIGAN

GRAND RAPIDS—Near by growers are supplying this market at present. As soon as Florida and California fruit is ready to ship this market will be ready to take its share. Correspond.—THE EQUITY SYSTEM.

MINNESOTA

MINNEAPOLIS — My appointment to represent The Equity System on this market is recent but my correspondence is already heavy and I want you to send 1,000 Equity System letter heads. The apple situation in Kansas, as reported in your bulletin of Oct. 17, surprised me. The Equity System will be a Godsend to such people by connecting them with the demand. I hastened to bid for a share of the apples as this market is in need of all kinds of apples. Don't let any apples waste. They will bring good prices here. We need 12 cars right now to satisfy the demand, reasonably. Parties shipping No. 1, barrel apples can load them and ship to The Equity System here and draw against the bill of lading for at least $2.50 a barrel and they may depend on a good remittance above that. On bulk apples of good quality draw for 70 cents a cwt.

The great drowth of last summer cut our supply short, and we need most everything. Don't overlook this market. Ship your grain, hay and live stock to us also.—THE EQUITY SYSTEM.

MISSOURI

ST. LOUIS—Here are few examples of prices—cabbage, fancy Holland seed and Danish per ton $14@15. Good domestic kraut cabbage $10@11. Potatoes, Michigan, sacked, 54@56c; Wisconsin, 50@53c. Onions, fancy red globe, 70@72c per bushel; fancy white, 70c; small, 40@50c. Table carrots, per ton $16@18. Consult with us on all produce, grain and live stock. We handle only car lots, but they may contain more than one article. Quick sales, top prices and immediate settlements our motto. Drafts against shipments for reasonable amounts will be honored.—THE EQUITY SYSTEM.

NEBRASKA

OMAHA—Good demand now for all produce, grain, livestock placed at top of the market always. Our usual source of supply west and north was struck by the great drowth last summer so eastern shippers should look to this market. Let us know what you have and get our figures to compare with others.—THE EQUITY SYSTEM.

NORTH DAKOTA

BISMARCK—Tell the Equity people that we want a few car loads of apples and we want to hear from them. It is a long haul from some producing sections, but if they will get our prices we believe they will be interesting.

OHIO

COLUMBUS—Our market is rather exceptionally good for potatoes, also apples. We are in a position to store to sell. Either of these at very low rates to be put on the market when later buyers come. Correspond. Write or wire for our offers on all kinds of farm produce.—THE EQUITY SYSTEM.

TOLEDO—If any of your Equity local unions want to store potatoes on this market we can get accommodations for 8 to 10 car loads in the Toledo Cold Storage and Ice Co. building (not a refrigerator room however) at $40 a month. If the potatoes are shipped in sacks there will be no extra charge for putting in or loading out. We believe stored potatoes will soon show a good advance. We need all farm produce constantly. Get our spot offers.—THE EQUITY SYSTEM.

CINCINNATI — Excellent demand for high grade eggs; active for good apples but slow for common stock; onions selling good; potatoes large trade at fair prices. Condition of demand changes frequently. Ask for quotations on what you have.—THE EQUITY SYSTEM.

PENNSYLVANIA

PHILADELPHIA—Fancy apples selling at high prices, ordinary fruit low. Potatoes, market overstocked now. File with us your supply and we will connect you with the bulges as they come. — THE EQUITY SYSTEM.

JOHNSTOWN — Everything must come this way now to feed our great manufacturing and mining population. We solicit the opportunity to let you compare our markets with others. Fruit, vegetables, grain, eggs, poultry, etc.—THE EQUITY SYSTEM.

PITTSBURG—Fancy apples scarce and high. Potatoes, market glutted, keep away for awhile. Correspond.—THE EQUITY SYSTEM.

RHODE ISLAND

PROVIDENCE—Our market wants onions, cabbage, potatoes, and apples. There is a good demand for all of above. Anything in the fruit and produce line will be in good demand from now on. Correspond. —THE EQUITY SYSTEM.

TENNESSEE

CHATTANOOGA—Our market now needs almost everything in grain, hay, fruit, vegetables and country produce. Shippers of fruit and vegetables must take care and ship only high grade stock here. Our market won't do them much good on others. Correspond.—THE EQUITY SYSTEM.

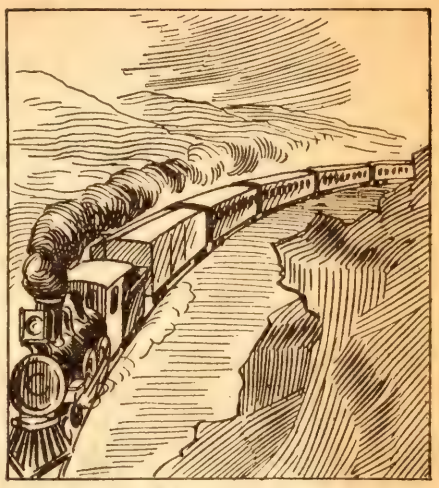
TEXAS

HOUSTON—This market now needs fancy apples in bushel boxes, oranges, lemons, California and eastern grapes, potatoes, onions and cabbage, Michigan beans, corn, oats, alfalfa hay, sorghum, etc.

GALVESTON—We can handle any quantity of cotton and shippers may draw for $40.00 a bale against the bill of lading. Also will store it and advance $40.00 a bale at 6 per cent interest. The cost of storing is light. Write for particulars. Our market is in good condition for apples from all northwestern points; also onions and potatoes in car lots, and produce of all kinds. Write.

AUSTIN—This market needs Bliss Triumph seed potatoes from Maine, Minnesota or North Dakota. Our people have not bought near their requirements yet. We also need Colorado, Idaho and Utah Pearl potatoes. Also a few cars of apples. Also we want samples of best grades of oats from Oklahoma and Kansas for offers.

GALVESTON—The cotton question is a big one but if the growers will only avail themselves of the advantages The Equity System here can give them in selling, but particularly in storing, they will soon realize their price for, whether they sell at present prices or not, as soon as the early dumping is over the price will go up, as is always the case with a crop no larger than we have this year. Our arrangements here are such that we can handle any quantity of cotton, either to sell or store and it seems to me those growers who do not avail themselves of the opportunity we offer are standing against their interests. We suggest that you communicate these hints to cotton growers tributary to this market and have them correspond with us. No doubt many of them will take advantage of our system if they only knew of it.—THE EQUITY SYSTEM.



What good reason can be given why the produce in the cars should not belong to the producers of it, until it gets to the final market? Why turn it over to somebody else as soon as it is grown? If it was ever necessary, it was before farmers had a marketing system of their own. But it is different now.

VIRGINIA

NORFOLK—Good large red eating apples are wanted and they will bring as much or more here as in any market. Write us if you have apples to sell. Our market is also excellent for eggs and live and dressed poultry.

The apples that Virginia raises are bought up by New York speculators or sent to Europe. On account of their keeping qualities they sell at fancy prices. We want choice round white potatoes, culls taken out. Also the diseased and scabby ones. Put in sacks of 150 pounds, sewed, never tied. Never ship bulk potatoes to this market. Now that cold weather is in the north ship in refrigerator cars. Put plenty of straw on bottom and sides and over the top. Correspond.—THE EQUITY SYSTEM.

RICHMOND—We mention a few things that will do particularly well here; potatoes, onions, grapes, cabbage and apples. Potatoes can be stored here in bonded warehouses and believe could get liberal loans from our banks if needed.

There are also many other markets all of which are listed, and kept revised, in the Confidential Directory supplied to subscribers who keep their subscriptions paid in advance and to members of the Farmers Society of Equity.

In corresponding with, or shipping to the Equity markets, address simply "The Equity System," and the city and state. Also report what you ship, quantity and car number to headquarters, Farmers Society of Equity, Indianapolis, Ind.

Very few of The Equity System representatives will buy produce on their own account, as, if they did, it would be natural to want to buy just as cheaply as possible. They handle for the grower; are his agents.

WANTED AGENTS - SALESMEN - MANAGERS WANTED

STARTLING OPPORTUNITY TO MAKE MONEY FAST

At Home or Traveling---All or Spare Time

Experience not necessary. Honesty and willingness to work all we ask. We will give you an appointment worth **$50 to $75 every week.** You can be independent. Always have money in abundance and pleasant position selling **greatest labor saving household invention brought forth in fifty years. LISTEN:**—One man's orders **$2,650.00 one month,** profit $1,650.00. Sylvester Baker, of Pa., **a boy of 14** made $9.00 in 2½ hours. C. C. Tanner, Ia., **80 years old,** averages five sales to seven calls. See what a wonderful opportunity! **Room for YOU,** no matter what your age or experience, or where you are located—if you are square and will act quick. But don't delay—territory is going fast. Read what others are doing and be influenced by their success. **WORK FOR US AND GET RICH.**

"I do not see how a better seller could be manufactured," writes Parker J. Townsend, Minn. "Called at twenty homes, made nineteen sales,"—E. A. Martin, Mich. "Most simple, practical, necessary household article I have ever seen" says E. W. Melvin, SanFrancisco. "Took six dozen orders in four days,"—W. R. Hill, Ill. "Went out first morning, took sixteen orders,"—N. H. Torrence, New York. **"Started out 10 a. m., sold thirty-five by 4 o'clock,"**—J. R. Thomas, Colo. **"Sold 131 in two days,"**—G. W. Handy, New York. "I have sold goods for years, but frankly, I have never had a seller like this,"—W. P. Spangenberg, N. J. **"Canvassed eleven families, took eleven orders,"**—E. Randall, Minn. **"SOLD EIGHTEEN FIRST 4½ HOURS.** Will start one man working for me today, another Saturday,"—Elmer Menn, Wis.

These words are real—they are honest. Every order was delivered, accepted and the money paid in cash. Every letter is right here in our office, and we will give the full postoffice address of any man or woman we have named if you doubt. This is a big, reliable, manufacturing company, incorporated under the laws of the State of Ohio, and every statement we make is **absolutely sincere and true.**

YOU CAN MAKE THIS MONEY: You can make

$3000.00 in 3 Months

selling this great invention—**The Easy-Wringer Mop**—the biggest money maker of the age. Think of it!

TURN CRANK TO WRING



THE NEW EASY WRINGER MOP

New Low Priced Household Article.

A Self-Wringing Mop. No putting hands into the dirty water. No aching backs. No slopping against woodwork. No soiled clothes. No contracting deadly disease from touching hands to filth and germs that come from floor. Can use scalding water containing strong lye. **Two turns of crank wrings out every drop of water.** Makes housekeeping a pleasure---Makes the day happy. Simple, practical, reliable, it lasts for years. Every woman is interested---and buys. **No talking necessary--it sells itself.** Simply show it and take the order. **Could you imagine an easier, quicker, better way to make money than supplying this demand already created.**

We want more **agents, salesmen, managers,** to fill orders, appoint, supply control sub-agents, **150 per cent profit.** No investment required. **We own patents and give you exclusive territory, protection, co-operation, assistance. You can't fail,** because you **risk nothing. HUNDREDS ARE GETTING RICH.** Act quick. Write for your county today. **WE WANT A THOUSAND MEN AND WOMEN.**

Send no Money: Only your name and address on a postal card for information, offer and valuable booklet **FREE.** Tomorrow belongs to the one behind---**the opportunity is open TODAY.** Write your name and address clearly, giving name of county.

The above cut shows mop wrung up dry, and pictures the good, strong, substantial material used throughout. When mop is raised from floor it automatically straightens out ready for wringing.

This smaller picture shows mop on floor. It spreads out and is held down to floor at all points.

THE U. S. MOP COMPANY, 1152 MAIN ST., LEIPSIC, OHIO.

A LOCAL UNION AND AN EQUITY HALL AT EVERY STATION

(Concluded from page 11)

Let us suppose there are 150 farmers, the produce of which is shipped from the station and that the farmers sell an average of $2,000 worth of produce a year. That would be an annual value of $300,000 in selling alone. It would be just as practical to buy supplies cooperatively, thus greatly increase the volume and value of the business done and the benefits. All of this business could be done by the secretary and the relief to the 150 individuals, who otherwise must look after their marketing, would be very great.

We will give just one definite illustration and leave the reader to make many other applications of the Equity Hall and the local union, to his business and social life, and to the community.

We will assume that each one of the 150 members produce eggs, we will say an average of 3 dozen a day. In a year that would be 1,095 dozen to the farm and on 150 farms 164,250 dozens. Eggs must be marketed while they are fresh, therefore individual



The Equity System will put an end to this.

producers can do no better than sell to the local buyer who ships them when he has accumulated a considerable quantity. But organize a local union and 150 members can bring in on a certain delivery day, once a week, 3,150 dozens. This quantity can be shipped to advantage to the final market and sold to net the producers 2 to 5 cents more a dozen. Or, during the season of heavy production they can be shipped for storage, marketed in the winter at a profit of 10 cents a dozen or more and then go to the consumers at a price that will make the packing trusts feel like 30c. It will be just as practical for producers, in local unions, to store as for dealers.

Carrying our illustration a little further we find that the total business done in a year in eggs would be about 164,250 dozens and if only 5 cents more per dozen was realized, the gain would be $8,212.50.

We submit this for the careful consideration of our local unions and all farmers who may yet be on the outside. ORGANIZE A LOCAL UNION, BUILD AN EQUITY HALL.

SEND 50c CASH and Get This Watch

Upon receipt of 50 cents cash we will ship to you this beautiful watch C. O. D. $3.45. If after you examine it at your local express office you do not think that it is worth the money return it to us and we will refund all you have paid. We are capitalized at $200,000.00 and guarantee absolute satisfaction.

ELEGANT THIN MODEL 20 YEAR WATCH

Hunting case, beautifully engraved, gold finished throughout, stem wind and stem set, fitted with 7 ruby jeweled American lever movement, with long gold plated chain for Ladies or vest chain for Gents. A magnificent Xmas gift.

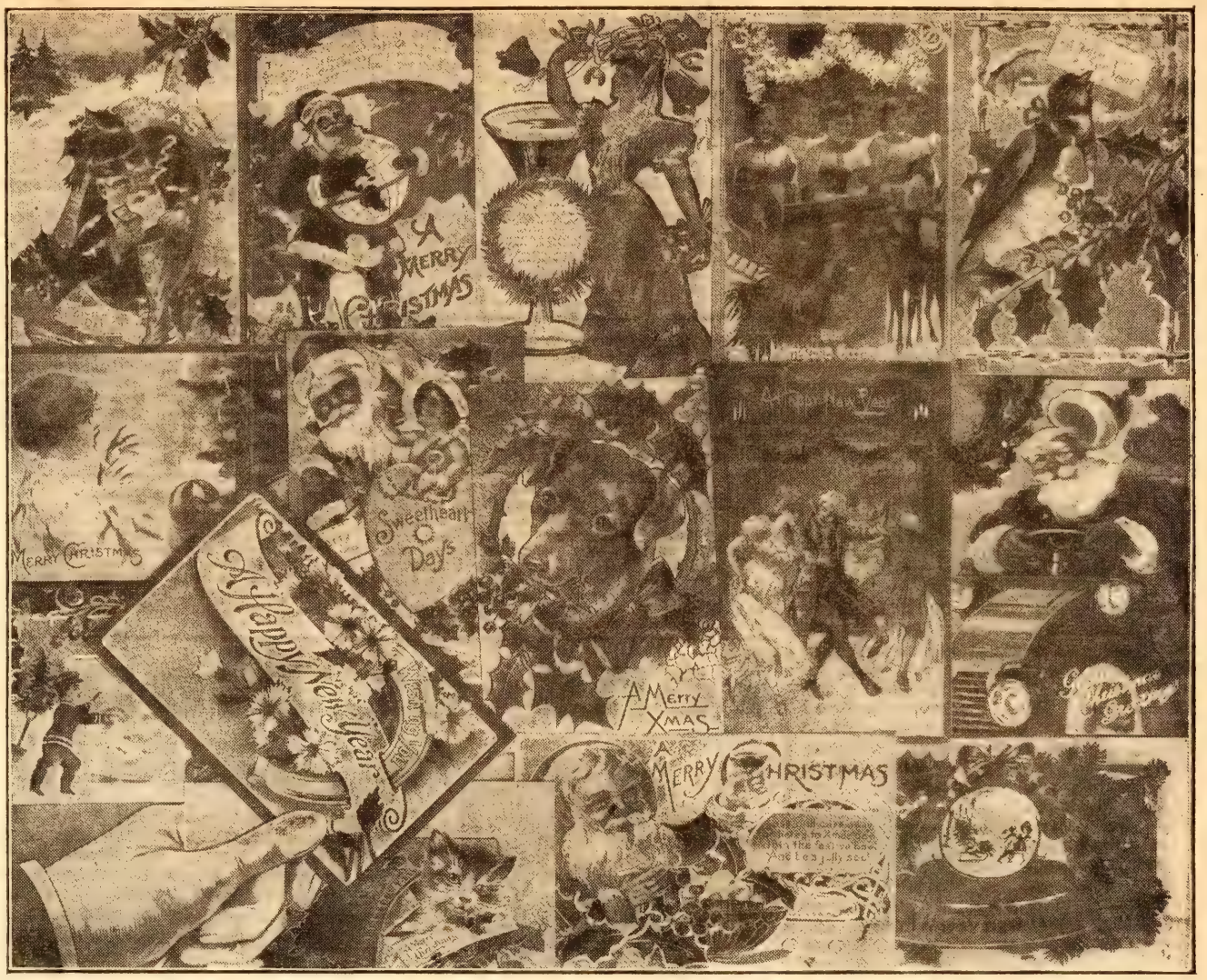
$3.95



Send for free Cat. 97

IF YOU SEE IT YOU WILL BUY IT. It looks as good as any $15.00 gold watch and is an excellent timekeeper. Mention if you want LADIES,' MEN'S or BOYS' size. Address

ANDERSON, McCARTHY & CO.
1519-1521 Wabash Ave. Chicago, Illinois



Christmas Greetings

CHRISTMAS and NEW YEAR will soon be here. Now is the time to get your Post Cards and Below are the Offers

HERE I AM again, just a little ahead of Santa Claus, with my extraordinary offers of **CHRISTMAS** and **NEW YEARS** post cards. Last year I gave my subscribers millions of post cards. Were they beautiful? Well, yes; they were the most beautiful ones in circulation and subscribers of UP-TO-DATE FARMING were made happy because they had more beautiful cards than any of their neighbors had.

But for this holiday season! Can you believe it possible to improve on last years beautiful cards? The best post card publishing house in the country began to work on the problem last Spring and I am overjoyed to announce that this seasons cards are **far, far, richer and more beautiful** than last years. They are so far ahead that last seasons look tame and dull in comparison.

I am not going to attempt to describe them. I cannot. You must see them to appreciate them, when you will exclaim, "I had no idea they were so beautiful!" They were produced by 12 printings, on superior card board, decorated with gold and silver and are embossed. Also they are copyrighted and cannot be gotten elsewhere.

I have this time **100 DIFFERENT CARDS** in **16 SETS.** The whole series is a bewildering display, while from any assortment cards can be selected to please the fancy of each member of the family. The children were especially in mind but the older folks were not forgotten.

I want to continue the practice of sending a collection of **CHRISTMAS** and **NEW YEARS** cards to my subscribers at this season. It is a good will offering to those who have helped me make **UP-TO-DATE FARMING THE COUNTRY'S GREATEST AND MOST HELPFUL FARM PAPER.** I will esteem it a pleasure to send some of these cards to **YOU.**

Below are many offers and I guarantee that my cards are the most beautiful you will see or I will return your money

Offer No. 1 **SEND 30 CENTS** to extend your subscription **ONE** year from the present expiration and I will send you 20 of my **CHRISTMAS** and **NEW YEARS** post cards. assorted.

Offer No. 2 **SEND 50 CENTS** to extend your subscription **TWO** years; Or one year each to you and a **NEW** subscriber and I will send you 50 of my **CHRISTMAS** and **NEW YEARS** cards in 8 sets.

Offer No. 3 **SEND $1.00** to extend your subscription **FIVE** years; or a club of five subscribers one year each and I will send you the entire, wonderful series of 100 **CHRISTMAS** and **NEW YEARS** post cards in 16 sets.

Album Offer Having post cards, you will need an Album. Also, a beautiful post card Album makes a gift that will be prized by any one. On each subscription order that includes 50 cards or more I will include a beautiful large Album, 9x11 inches, holding 108 cards, beautifully decorated board cover, if 15 cents is sent extra for mailing.

Another of my objects in making these offers is to get a renewal from each subscriber before the end of the year. We need the money now for contemplated improvements, one of which we have in mind is to print the paper weekly. So won't you send the coupon right away, even if your time has not expired. This is probably the last time I can make you such a liberal offer.

J. A. EVERITT, Editor, Indianapolis, Ind.

— — — CUT OUT AND SEND THIS COUPON — — —

NOV. 15th.

J. A. EVERITT, Editor,
Indianapolis, Ind.

COUPON

I enclose $..... and embrace your offer No. .....as made in November 15th. Up-to-Date Farming. (The number of the offer written above will tell what you want. If the paper is to be sent to any of your friends write the names on a separate sheet and attach to this.)

My Name .....

R. R..... P. O.....

Are you a subscriber now..... State.....

Do you send 15c extra for mailing the Post Card Album?.....

RHEUMATISM

Remarkable Michigan External Remedy which is curing thousands sent TO TRY FREE

Just Mail My Coupon

Don't take medicine to draw out impurities but help Nature expel them through the pores in her own simple way.



Frederick Dyer, Corresponding Sec'y.

Send my coupon today. Return mail will bring you a regular $1.00 pair of **Magic Foot Drafts**, the great Michigan remedy which is curing thousands, **TO TRY FREE.** Then if you are satisfied with the benefit received send us One Dollar. If not send nothing. **You decide** and we take your word. Magic Foot Drafts are curing **Rheumatism in every form—Muscular, Sciatic, Lumbago, Gout,** etc., no matter in what stage of progress or how many physicians have failed. The simple principles underlying this wonderful treatment are fully explained in our illustrated free book. Don't delay, but send the coupon now—today—**while you can.** Send no money—just the coupon.



This $1 Coupon FREE

Good for a regular $1.00 pair of Magic Foot Drafts to be sent Free to try (as explained above) to

Name .....

Address .....

.....

Mail this coupon to Magic Foot Draft Company, HA46 Oliver Bldg., Jackson, Mich.

A Social Success

By Aunt Nancy.

Said Farmer A. to Farmer B.
With greetin' warm and hearty,
"To boom the cause of Equity
I mean to give a party,
And ask the neighbors far and near—
My better half approvin'—
There's nothin' like some festive cheer
To keep the thing a movin'."

Said Farmer B. to Farmer A.,
"Correct you are, my brother;
You go ahead and lead the way,
And I will give another:
And when each farmer and his wife,
And young folks take to comin',
They'll keep the cause—you bet yer life—
Of Equity a hummin'."

The people of the neighborhood,
He got them all together,
And they were in a merry mood,
In spite of wind and weather;
The young folks giggled gleefously—
It met their approbation.
Their forces joined mischievously
In true "co-operation."

And Farmer B. he talked a lot—
To be accomodatin'—
Although 'twas plain the man was not
Accustomed to oratin';
But when the subject warmed his soul
Idees, they come a-pourin',
Along with jokes so cute and droll,
It set 'em all a-roarin'.

"I tell you, boys," the farmer cried,
"It puts me in the fidgets
To think of how we let things slide,
Just like a pack of idiits;
For long before our crops are ripe,
Them speculators, settin'
In rockin'-chairs, the profits swipe
And we can do the sweatin'.

"A state of things with what is right
There is no reconcilin',
It sets—when once he sees it quite—
A feller's blood a-bilin';
We git"—his voice rose to a scream—
With what he tried to utter—
"The skim-milk, they the cream.
And yes, by jinks, the butter.

"I move we meet, say once a week
To keep the ball a-rollin',
And listen to each other speak,
On what may be consolin';
A subject ventilated well,
By constant agitatin',
Will soon and surely sound the knell
Of things abominatin'.

"The young folks we will not compel—
Unless they want to harken—
But seems to me they might as well
Come here to do their sparkin';
'Twill be no hardship, they'll agree,
Without no extra pleadin',
To take a dose of Equity
Along with some good feedin'."

So that is how the farmers formed
A Union most invitin',
And there at things they fairly stormed,
Their interest unitin';
Discussin' topics of the day—
Improvin' conversation—
And vow there is no better way
To git "Co-operation."

OUR POST CARD CLUB

DEAR EDITOR: The post cards came in fine condition and are beautiful. I sent some to my friends and they think them fine too. I think I can easily get subscribers and your paper will do our people much good. Everyone I ask promises to subscribe.—Jas. N. Pocht, St. James Co., La.

DEAR EDITOR: I received the beautiful post cards you sent me as a reward for my club. They are really beautiful and much more than repay me for my trouble. Please accept my grateful thanks. I send you some names of my friends who I think will be glad to subscribe to UP-TO-DATE if you send only a sample copy.—Eli Gardner, Allegheny Co., N. Y.

DEAR EDITOR: The post cards you sent for my club are fine, all I could expect. I am truly proud to send you the names of six farmer neighbors who may become patrons of yours if you send them sample copies.—Geo. W. Day, Philadelphia Co., Pa.

DEAR EDITOR: I received my reward of post cards and I think they are just lovely and sweet. Thanks ever so much. I will try to get some more subscribers and thus earn more cards. I send you the names of good farmers for sample copies.—Mae Keska, Iowa Co., Wis.

DEAR EDITOR: I send herewith another club. It was no trouble to get it after showing the paper and the post card premiums. I saw some of the members of my former club and they are all delighted with UP-TO-DATE FARMING—the farmers friend, they say. I thank you many times for your liberality and I send best wishes for your success.—Mrs. N. F. Holben, Kent Co., Mich.

DEAR EDITOR: Ourselves, our relatives and our friends all take UP-TO-DATE FARMING. We think it is a paper with a sound policy and gives good advice. If a great many more people would read it the country would be better for it.Mrs. Theo. Lagnell, Chelan Co., Wash.

Just the Thing

I am a new subscriber to UP-TO-DATE FARMING and have become much interested in the Equity System of Marketing. I think it can't help being a very good system for farmers, in fact the very thing that farmers need most. I am anxious to learn all about it.—R. O. Lawrence, Venango Co., Pa.



This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

QUESTION: *Will the representative of our Equity System of Marketing, in the cities buy for us, what we want?—A. W. Slocum, Jay Co., Ind.*

ANSWER: Many of them will if the quantity wanted is large enough to command the attention of wholesalers. Local unions purchasing for all their members, could save very much on their purchases and such orders most of the representatives would gladly have executed at city wholesale rates.

Q: Are women admitted to membership in local unions of the Farmers Society of Equity? If so what are the terms?—J. A. Harmon, Pott. Co., Okla.

A: The constitution of the Farmers Society of Equity does not include women as eligible to membership. But it says: "Each local union shall have control of its own affairs and may adopt laws subject only to the constitution and laws of higher unions." Therefore each local union shall decide whether women shall be admitted as special members and the terms of admission. If any fee is charged it shall go in the local union treasury.

Tons of Money Saved

By Wearers of STEEL SHOES!

FREE

Write today for book, "The Sole of Steel."



Pat. Dec. 4, 1906. Others Pending

One Pair Outwears 3 to 6 of All-Leather Shoes — Saves $5 to $10 a Year

You can positively save from $5 to $10 a year and get more good wear, more solid comfort, more health-protection out of Steel Shoes than from leather-soled work shoes or rubber boots. Thousands are wearing Steel Shoes today, saving immense sums of money. Every wearer will tell you they are easier on the feet, lighter, more healthful and durable than the best all-leather work shoes that money can buy. Absolutely the best farm shoe in existence.

Better Than the Best Leather-Soled Shoes—Feel Better, Fit Better, Wear Better, Look Better!

If you will *put a pair of Steel Shoes on your feet*—even for *five minutes*—the shoes will do the rest. They will surprise and delight you with their lightness, neatness and comfort—their astounding durability. They will literally *sell themselves!* Hence I am making this special *Free Examination Offer*, merely asking you to send me the price, while you are "sizing up" the shoes. If they fail to convince you *immediately*, you can simply notify me to send for them at my expense and the money will be refunded *at once.*

Try Them On—In Your Own Home—at Our Risk!

FREE EXAMINATION!

Your Money Back if Shoes Don't Suit!

Steel Shoes are the strongest and easiest working shoes made. There is no need of breaking in. Comfortable from the first moment you put them on. Easy to put on or take off. Impossible to get out of shape. We could not afford to make you this special offer if we were not confident that our Steel Shoes are just what you need. You run absolutely no risks, no trouble on your part. All we ask is that you try on a pair of Steel Shoes before you buy any other style of working shoes! You will wonder how you ever did without Steel Shoes this long.

Steel Shoes Explained

Here is the way Steel Shoes are made: The uppers are made of a superior quality of leather, as *water-proof as leather can be tanned.* This leather is wonderfully soft, flexible and pliable—never gets stiff and hard, no matter how long the shoes are worn in mud, slush or water.

The soles and sides are made out of one piece of special light, thin, springy, rust-resisting Steel.

We have added 100 *per cent* to the *strength* of the Steel Shoes by *corrugating* the bottoms.

The Sole of Steel keeps the uppers in shape, prevents them from warping, twisting or cracking. Soles and heels are studded with adjustable Steel Rivets which prevent the bottoms from wearing out. Rivets are easily replaced by hand when partly worn, making the shoes *as good as new!* Fifty extra rivets cost only 30 cents and should keep the shoes in good repair for at least two years.

The soles are lined with soft, springy, comfortable Hair Cushions, which *rest the feet,* absorb perspiration and odors and add ease of walking. Cushions can easily be taken out for cleaning.

No Corns! No Blisters! No Wet Feet! No Rheumatism!

Steel Shoes are so easy on the feet that they absolutely do away with corns, callouses, soreness, blisters and other foot troubles. They give *rest* and *support* to the feet, and keep them in *perfect condition.*

If you wear Steel Shoes you can work all day in mud and water or snow without having wet or cold feet. Thus you escape colds, rheumatism, neuralgia and the long train of ills that result from cold, wet feet. Steel Shoes pay for themselves again and again by preventing sickness and saving doctor's bills.

Steel Shoes in Sizes 5 to 12

6 inches, 9 inches, 12 inches and 16 inches high

Steel Shoes 6 inches high, $2.50 per pair.
Steel Shoes 6 inches high, better grade of leather, $3.00 per pair.
Steel Shoes 6 inches high, extra grade of leather, black or tan color, $3.50 per pair.
Steel Shoes, 9 inches high, $4.00 per pair.
Steel Shoes, 9 inches high, extra grade of leather, black or tan color, $5.00 per pair.
Steel Shoes, 12 inches high, extra grade of leather, black or tan color, $6.00 per pair.
Steel Shoes, 16 inches high, extra grade of leather, black or tan color, $7.00 per pair.

Each pair of Steel Shoes is worth $2.00 more than the best leather work shoes. A trial pair will convince you.

Every pair of Steel Shoes is inspected and tested before shipment.

Boys' Steel Shoes—Sizes 1 to 5

Boys' Steel Shoes, 6 inches high, $2.50 per pair.

Boys' Steel Shoes, 9 inches high, extra grade of leather, black or tan color, $3.50 per pair.

Save buying several pairs of boys' shoes a year. One pair of Boys' Steel Shoes will do it.

A Blessing to Farmers' Feet

Steel Shoes are unquestionably the most important discovery for the benefit of farmers in the last 100 years. They enable you to work in comfort, rain or shine, in heat or cold—in the field, barnyard or feed lot—in the swamp, in ditch work, among brush, stones or wherever there's work to do. They stand hard knocks! They shed mud! They keep your feet bone dry, rested and free from corns, chaffing and blisters!

They save time and money and doctor's bills.

The *proof* is *yours for the asking.*

Don't Wait—Send NOW!

See the shoes—then decide!

We don't ask you to *buy* the shoes!

We just want you to slip your feet into a pair of Steel Shoes—to *feel* and see and *know* how much *lighter, neater,* more *comfortable* they are than any other work shoes in existence.

We offer to send you a pair of Steel Shoes for FREE EXAMINATION—any size or style you may select—on receipt of the price and *let the shoes themselves* tell you their marvelous story of comfort, lightness, neatness, strength and wonderful economy.

If they don't convince you *instantly*—DON'T KEEP THEM!

Simply notify us to send for the shoes at our expense, and every penny of your money will be returned promptly without delay or argument.

Don't hesitate. Any banker, any express company will tell you we are responsible. Any agricultural editor will do the same. You need Steel Shoes and you need them NOW. Don't put it off, but accept our liberal FREE EXAMINATION OFFER at once, and *make sure* of getting your shoes promptly.

We strongly recommend the 6-inch high Steel Shoes at $3.50 a pair or the 9-inch high Steel Shoes at $5.00 a pair. For all classes of use requiring high-cut shoes, our 12 or 16-inch high Steel Shoes are absolutely indispensable.

Throw away your old shoes and hot rubber boots. Don't torture your feet in hard, twisted, warped, leaky, shapeless leather-soled shoes. Don't sweat your feet and make them tender by wearing hot rubber boots, felt boots or arctics. Get a pair of Steel Shoes and learn what foot comfort really means.

Our Three Great Factories

The success of Steel Shoes is almost startling.

Within three years we have established Shoe Factories in Racine, Wisconsin; Toronto, Canada; and Northampton, England.

These great factories, running full capacity, can scarcely keep up with the demand from all over the world. (74)

EXAMINATION COUPON

STEEL SHOE CO., Dept. 59, Racine, Wis.
Dear Sir:
Please send at once for free examination
..Pair...inch Men's Steel Shoes, size...
..Pair...inch Boys' Steel Shoes, size...
I enclose.....for $.....in payment for same, as per free EXAMINATION OFFER
Name .....
Town ..... State .....
County .....R. F. D. .....

M. RUTHSTEIN, Secretary and Treasurer

STEEL SHOE CO., Dept. 59, RACINE, WIS.

Canadian Factory—Toronto, Canada **Great Britain Factory—Northampton, England**

ALWAYS WRITE ADDRESSES DISTINCTLY

Each week now our mail is becoming heavier and the time of every person at headquarters is more valuable, therefore, we want our correspondents to help us all they can. In no way can they help more and facilitate our work than in being absolutely sure that their names and address is written perfectly plain. If you send a letter that needs a reply, or your subscription, or a club of subscribers, write each address carefully. After they are written then look at them again and ask yourself: Can a stranger read these addresses at a glance? Plainly written addresses are copied by our clerks at the rate of 1,000 or more a day of 8 hours, while on an indistinctly written one twenty minutes or more are often given only to be filed in our "Insufficient Address File."

RENEWING SUBSCRIBERS---NOTICE

We request each subscriber, when renewing to clip his address from the wrapper of his paper if it is convenient to do so, and inclose it with his letter of renewal. We seek to systematize our work as much as possible and this little act on the part of our *thoughtful* subscribers will help us very much. Please charge your mind with this request and always try to do it in the future without further notice.

Getting More Money

I have been on a farm since I was 6 years old. Before I read UP-TO-DATE FARMING and became a member of the Farmers Society of Equity I scarcely made a comfortable living. I am now getting more for my produce and see new possibilities in farming. For instance, I am selling potatoes at 75 cents a bushel, eggs at 25 cents a dozen and other things in proportion.—Timmie Palmer, Jasper Co., Mo.

Likes the Third Power

I like the teachings of the Third Power book fine. I will be glad when all farmers learn how to control their marketing and compel profitable prices. I will continue to recommend your plans at every opportunity.—Y. W. Wood, Johnston Co., N. C.

Five years for $1.00
OR
A Club of 5, one Year Each $1.00

CANNING FACTORIES FOR SALE
Make you $25 to $200 a day. **For Farm, Large Communities or Towns.** 15 sizes. Prices from $85 to $850. Capacities as high as 9000 cans tomatoes or vegetables, or 20,000 cans fruits in ten hours. **TERMS:** Cash or on 2 or 3 yearly payments. If you want to buy write for Booklet.
THOS. M. BROWN, Springfield, Mo.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Agents Wanted

LADY OR GENTLEMAN, fair education, to travel for old established house. Salary, $12 per week to start. Expenses advanced. Geo. G. Clows, Dept. F, Philadelphia, Pa.

Farm Lands For Sale

FARMS in Michigan's best county—The great beet, bean, corn and hay belt. Write your wants to J. H. Smith, Ashley, Mich.

I HAVE FOR SALE in Greneda county, Mississippi, 1,840 acres of land; 100 acres are now in cultivation, 200 acres could be put in cultivation at very little cost; eight houses on the property and two deep wells. This would make an excellent stock farm. To close an estate, I will sell this property for $7 per acre. There are 20,000 pine trees on this land from 6 to 12 inches in diameter. J. S. Houston, 737 Marquette Bldg., Chicago, Ill.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

100-ACRE, well-improved farm in Hendricks Co., Indiana, all brand new buildings, 94 acres in cultivation, well drained, gently rolling, on R. F. D. near markets, 17 miles from Indianapolis. Address B. M. M., 2134 College avenue, Indianapolis.

VIRGINIA FARMS at eight to fifteen dollars per acre. Land good. Mild and healthful climate. Write for catalogue. Jeffreys, Hester & Co., Chase City, Virginia.

Farms Wanted

FARMS WANTED—Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, 71 Palace, Minneapolis, Minn.

TO SELL your property write Northwestern Business Agency, Minneapolis.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

Male Help Wanted

GET A BETTER PLACE—Uncle Sam is best employer; pay is high and sure; hours short; places permanent; promotions regular; vacations with pay; thousands of vacancies every month; all kinds of pleasant work everywhere; no lay-offs; no pull needed, common education sufficient. Ask for free booklet 839, giving full particulars and explaining my offer of position or money back. Earl Hopkins, Washington, D. C.

$80.00 PER MONTH paid railway mail clerks, customs and internal revenue employees. No "layoffs"; short hours; rapid advancement to high salaries. Thousands of appointments coming. Common education sufficient. Examinations announced everywhere, January 15th. Coaching free to first 25 applicants. Write immediately for schedule. Franklin Institute, Dept. D 27, Rochester, N. Y.

LOCAL REPRESENTATIVE WANTED.—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, Suite 511, Marden Bldg., Washington, D. C.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

FOR SALE—Light Brahma cockerels; Indiana Runner ducks and geese. Earl Cox, Sheridan, Ind.

NARAGANSETT, Bourbon Red, White Holland, Mammoth Bronze Turkeys. S. Durigg & Son, Armstrong Mills, Ohio.

Produce Commission Merchant

TAKE NOTICE—T. J. Hoover, Phila., Pa., sells poultry, eggs, apples, potatoes, onions, cabbage, carloads and less.

Thoroughbred Stock

DELAINE RAMS, Fine quality; catalogue free. Frank Russell, Wakeman, O.

PEDIGREED GREYHOUNDS cheap. Pedigreed Poland Chinas cheap. Pure S. C. Buff Orpingtons; pedigreed Jersey bull, cheap. B. Byers, Troy, Kans.

Tobacco Cures

BROTHER—Accidently discovered root will cure tobacco habit and indigestion. Gladly send particulars. G. T. Stokes, Mohawk, Florida.

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure, pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

To Introduce Our Big New Wonder Telescope Only $1.00



This is a special advertising offer made to introduce our new "Wonder" telescope into every home. Every man, woman and child will get pleasure and profit from one of these big telescopes. Heretofore telescopes of this size have sold for $5 to $8. This is an opportunity that seldom comes to get a really first class guaranteed instrument for a mere trifle of cost. Just think only $1.00. You can't beat it.


A Kansas Farmer Counting Stock Twenty Miles Away

Positively such a good telescope never sold for this price before. These telescopes are made by one of the largest manufacturers of Europe. **It measures closed 12 inches and opens out 3½ feet long,** in five sections, circumference 6 inches. They are brass-bound, brass safety cap on each end to exclude the dust, etc., with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. No farmer should be without one. Objects miles away are brought to view with astonishing clearness.

The "Wonder" Telescope can also be used as a microscope. Complete instructions on the use and care of telescopes with each order. Anyone can use it. Nothing more interesting.

Barrels of Fun Entertaining Your Friends Day or Night.

See the stars and moon. Study objects at a distance. Each instrument guaranteed to please or your money will be refunded.

Don't take our word for it. Read the unsolicited testimonials. Write these people if you want to. Thousands have been sold and thousands are surprised and delighted.

I wish all to know how satisfactory the "Wonder" Telescope is. Our farm is on the highest point in the surrounding country. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles, count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope.—F. G. Patton, Arkansas City, Kan.

Received telescope last Friday. It is a dandy and I am well pleased with it. I can easily see 10 miles with it.—W. E. Dickerson, Jr., Chatham, Mass.

I received the telescope alright. It is just as you advertised.—George H. Burton, Waterville, N. Y.

I received the telescope sent me and thank you ever so much. I was very much pleased with it.—M. Mannel Gabriel, Paanilo, Hawaii.

Enclosed find remittance for two more telescopes. These are for two different parties. I showed them mine and they were so taken with it that they wanted one. I am well pleased with it.—J. F. Powell, McCune, Kans.

My neighbors are worrying me to death to get one like it.—Jas. W. Raines, Sedalia, Mo.

Looked at Price Mountain which is 20 miles from here and could see birds flying around it. My friends want to buy.—Merrill Ellis, Griffin, Ga.

It is far beyond expectations and exactly as you represented. I made light of your ad at first but am glad now I sent for telescope. I wouldn't take $5.00 for it if I couldn't get another—.O. G. Folk, Elk Lick, Pa.

It certainly is the greatest magnifier I ever saw for $1.00. Live two miles from the city and can almost read the time on the church clock. Have some young cattle in pasture ½ mile away and now can save many a walk over there.—Andrew N. Verhalen, Burlington, Wis.

I am well pleased with my telescope. It is really finer than I expected.—Bruce H. Beem, Spencer, Ind.

It is a dandy and all you claimed for it.—Carl A. Erickson, Arpin, Wis.

I am thoroughly satisfied with the telescope. I am proud to own it.—Arthur Prange, Lunridge, Wis.

I think it is wonderful value for the price.—C. W. Nelson, New Denver, B. C.

I can say every time it is worth $10.00 to me. I can see cattle at 15 miles and can see a nickel at 600 yards.—Tervis S. Sepeda, Morgan Hill, Calif.

It is certainly a wonder. I am very much pleased.—Victor Parochini, Oakley, Calif.

Worth more than I paid.—Earl Sheaffer, New Bloomfield, Pa.

I did not expect to get one like it. My friends are pleased.—Michael Wessman, Jr., Blue Island, Ill.

Worth the money I paid and more.—Otto Louneborne, Hettick, Ill.

Telescope finest thing I ever had.—Chester Honsen, Meriden, Ga.

Thoroughly satisfied. I could not miss it now.—Arthur Prange, Tuneridge, Wis.

It is just what you recommended it to be.—Chas. W. Bloom, Olanta, Pa.

No matter what you think about the price, you will be surprised with the "Wonder" Telescope; everybody is.

Guaranteed to Please You or Your Money Back

You are the judge. Send today and be first in your neighborhood. We have a money making proposition for you besides. You can make $30 a week selling them. You can't invest $1.00 better. This paper guarantees its advertisers; over 5,000 of its readers already have a "Wonder" Telescope. We want to introduce it to 5,000 more.

For Christmas Nothing better for the boys and girls or for grown-ups for a Christmas present. Don't put it off until the last minute. Order now—while it is on your mind. Best $1.00 present in the world.

Price The most wonderful part of our offer is the price of the "Wonder" Telescope. Now only $1.00 each. Send 10c extra for ordinary postage, or 20c extra for insured mail and we guarantee safe delivery. Don't put it off. Order now.

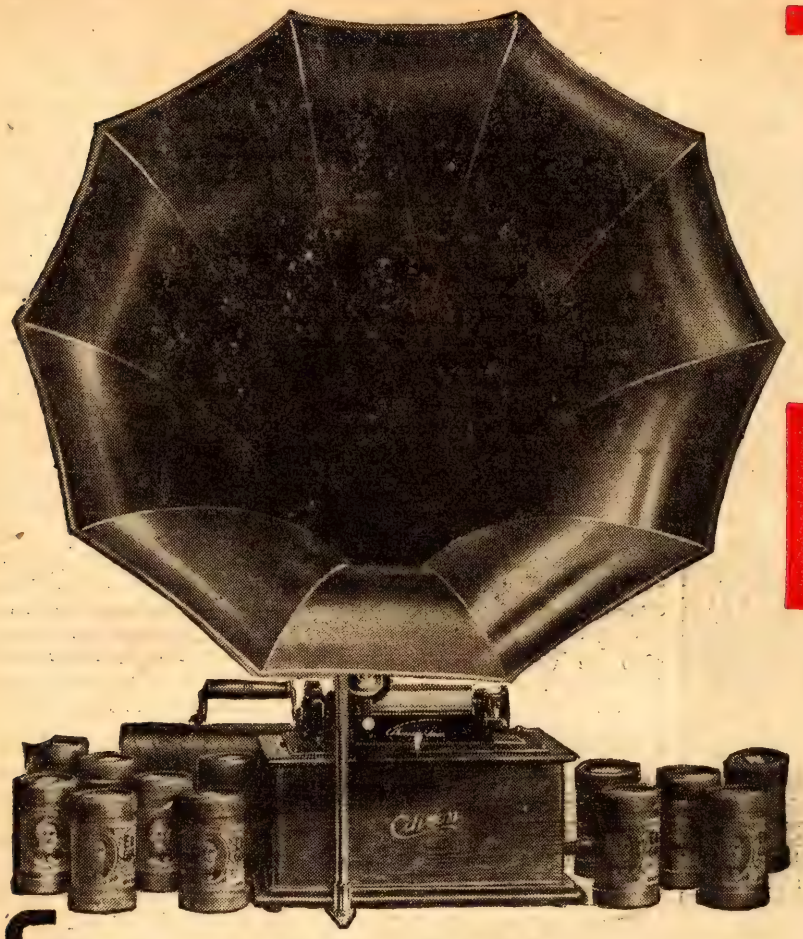
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SIGN, CUT OUT AND MAIL COUPON TODAY.
This offer may not appear again—send your order today

PEOPLES WHOLESALE STORE, Dept. E, Indianapolis, Ind.
Enclosed find $..... for which send me one "Wonder" Telescope as per your advertisement. If not satisfactory I will return the telescope and you agree to refund the money sent.

Name .....

Address .....



The Edison!

The Latest Style EDISON Phonograph in Our Grand New Outfit — this superb entertainer, Mr. Edison's latest, final improvement of phonograph—shipped

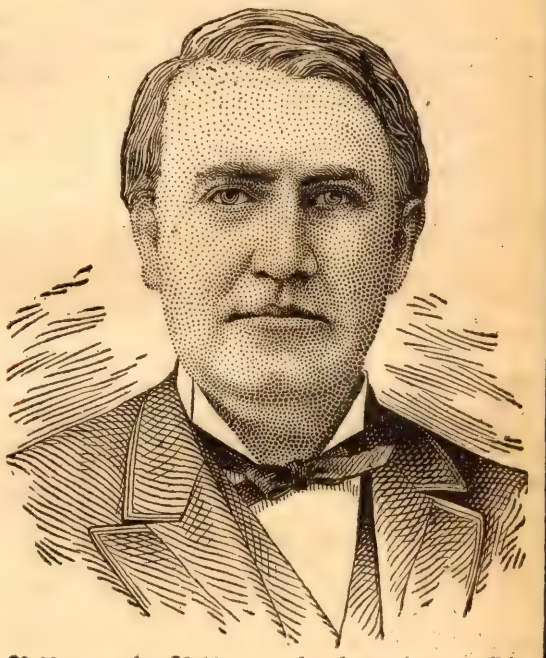
FREE!

Yes, free. I don't ask a cent of your money —I don't want you to keep the phonograph— I just want to give it to you on a free loan— then you may return it at my own expense.

Read the Offer:

I will ship you free this grand concert outfit, Fireside Model, with one dozen Gold Moulded and Amberol records. **You do not have** to pay me a cent C. O. D. or sign any leases or mortgages. I want you to get this free outfit—the masterpiece of Mr. Edison's skill—in your home. I want you to see and hear Mr. Edison's final and greatest improvement in phonographs. I want to convince you of its wonderful superiority. Give a free concert; give a free minstrel show, music, dances, the old fashioned hymns, grand opera, comic opera—all this I want you to hear free of charge—all in your own home—on this free loan offer.

MY REASON—My reason for this free loan offer, this extra liberal offer on the finest talking machine ever made—see below.



MR. EDISON Says: *"I Want to see a Phonograph in every American Home."*

The Phonograph is the result of years of experiment; it is Mr. Edison's pet and hobby. He realizes fully its value as an entertainer and educator; for the phonograph brings the pleasure of the city right to the village and the farm home. **Now, the new Fireside Edison Phonograph** grand outfit improved model, is the latest and greatest improved talking machine made by this great inventor. Everybody should hear it; everybody must hear it. If you have only heard other talking machines before, you cannot imagaine what beautiful music you can get from our new outfit. This new machine is just out and has never been heard around the country. **We want to convince you;** we want to prove to you that this outfit is far, far superior to anything ever heard before. Don't miss this wonderfully liberal offer.

My Reason

I don't want you to buy it—I don't ask you to buy anything. But I do feel that if I can send you this great phonograph and convince you of its merits, of its superiority, you will be glad to invite your neighbors and friends to your house to let them hear the free concert. Then, perhaps, one or more of your friends will be glad to buy one of these great new outfits. You can tell your friends that they can get an Edison Phonograph outfit complete with records **for only $2.00 a month**—$2.00 a month—the easiest possible payment and, at the same time, a rock-bottom price. **Perhaps you, yourself, would want a Phonograph, and if** you ever intend to get a phonograph, now is the chance to get the brand new and most wonderful phonograph ever made, and on a most wonderfully liberal offer. But if neither you nor your friends want the machine, that is O. K.; I simply want you to have it on a free loan, and perhaps somebody who heard the machine will buy one later. I am glad to send it on a free loan offer anyway. I will take it as a favor if you will send me your name and address so I can send you the catalog—then you can decide whether you want the free loan. There are no strings on this offer, absolutely none. It is a free loan that is all. I ask not for one cent of your money, I only say if any of your people want to buy a phonograph, they may get one for $2.00 a month, if they want it.

Now, remember, nobody asks for a cent of your money I want every responsible household in the country, every man who wants to see his home cheerful and his family entertained, every good father, every good husband, to write and get these free concerts for his home. Remember, the loan is **absolutely free** from us, and we do not even charge you anything C. O. D.

Write for the FREE Edison Catalog

In this catalog you will find a complete list of music and vaudeville entertainments. You can pick out just the kind of records you want for the entertainment you want on this free loan in your own home. Get this catalog at once, then you can decide whether or not you want a free loan and when you want it. You can also decide just the music you want. Remember, I will appreciate it as a favor if you will give me the opportunity of sending you this latest style machine—the climax of Mr. Edison's skill—on this free loan offer. I will appreciate it especially if you will send me your name and address anyway right now, so I can fully and clearly explain our methods of shipping the Edison Phonograph on a free loan offer. **SIGN THE COUPON TODAY. Do it right now.**



Write *Today* for this interesting catalog FREE

Just sign and mail the coupon at the left, and get this FREE catalog. Write TODAY

CUT OUT AND USE THIS COUPON

FREDERICK BABSON, Edison Phonograph Distributers, DEPT. 3658, EDISON BLOCK, CHICAGO, ILL.

Without obligations on me, please send me your Great Edison Catalog, and also full explanations of your Free Loan Offer on the Edison Phonograph.

Name .....

Address .....

No letter necessary; just sign and mail this free coupon right NOW. TODAY.

F. K. BABSON, Edison Phon. Distributers, Dept. 3658, EDISON BLOCK, CHICAGO, ILL.

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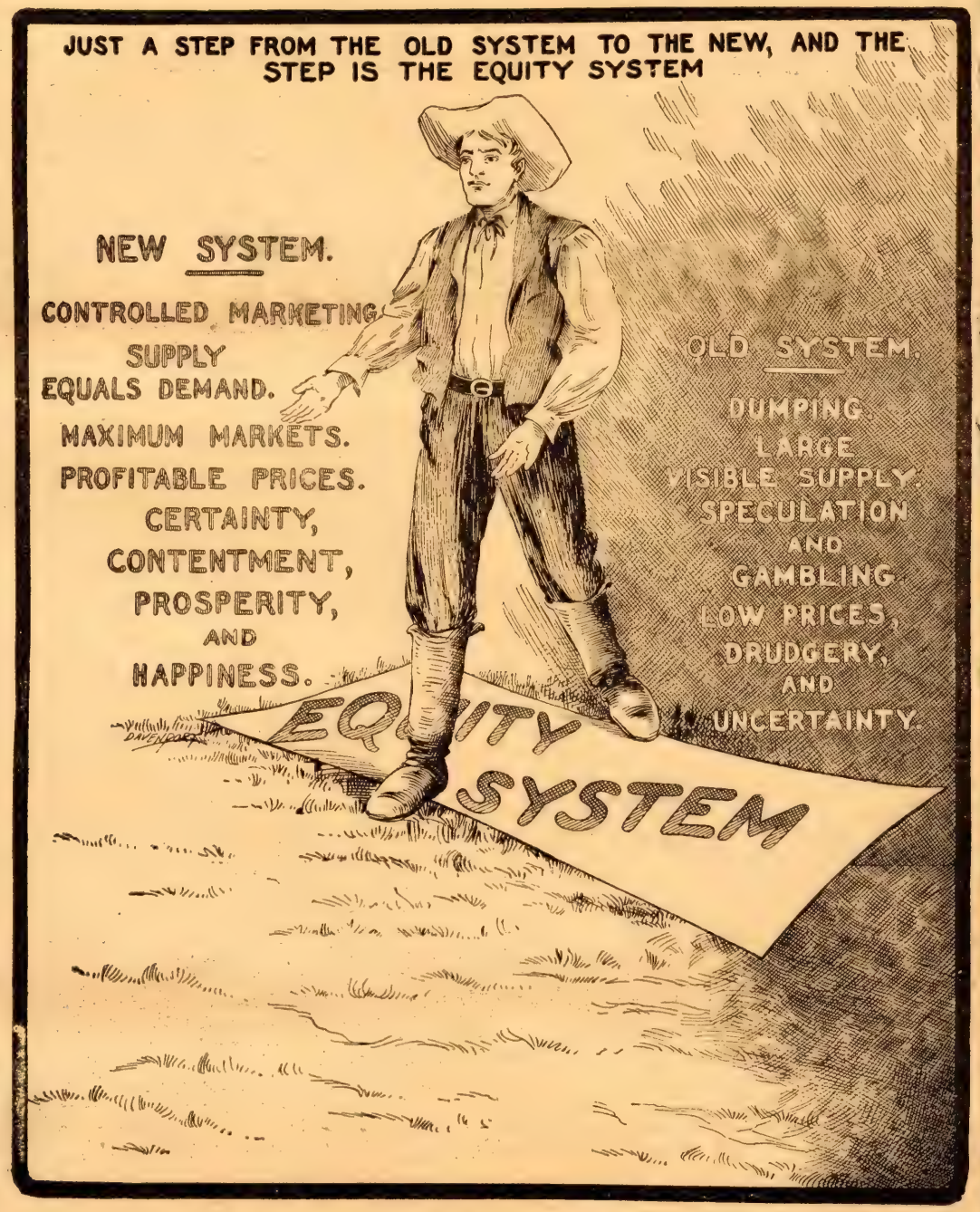
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This course consists of twelve monthly lessons covering the cause and treatment of nearly every disease, ailment or affliction that can occur to your Horses, Cattle, Hogs, Sheep, Poultry and Pet Stock, with formulas, prescriptions and methods of treatment suggested or endorsed by some of the leading veterinary surgeons of both continents. Written in plain, simple language that anyone can easily comprehend. It will prove of great value to every stockman and farmer in the country. The death of a single animal entails loss that no farmer can afford. Practical immunity from such loss can be assured by reading this course, and it's FREE to readers of this paper.

A Little Horse Sense—Read Every Word

We are the originators of the idea of supplying the farmers and feeders a reliable Conditioner, Tonic, Regulator or Condition Powder with the FILLER and SALT left out.

You realize that when your stock leave pasture they cannot get the roots, barks, herbs and seeds which they really need and which are supplied by pasture.

KineTeniK

All your stock need these roots, herbs, barks and seeds but previous to our entering the field the products on the market intended to supply this demand were too expensive and the farmer and feeder could not afford to pay from $6.40 to $14 a hundred for the SLIGHTLY medicated products on the market.

We call our product *"KineTeniK."*

It is made up of the choicest selected roots, herbs, barks and seeds from the formula of the best Veterinaries of the world to which is added the experience of Practical Chemists and some of the most successful farmers and feeders of the country. It is made RIGHT and the bran, middlings, salt, etc., are LEFT OUT. You have salt and middlings and all you have to do is to add *KineTeniK* to whatever ground feed you may be using, with a little salt, and you have the BEST Stock Tonic, Regulator, Conditioner or Condition Powders on earth at about one-tenth the price you have been paying, or from $1.00 to $2.00 a hundred pounds according to the strength you desire to feed it.

There is hardly a Farmer or Stock Raiser in the Country who is not convinced to his own satisfaction that all his Horses, Cattle, Sheep, Hogs, Goats and Poultry need a good Stock Tonic, Regulator, or Conditioner.

Practical Farmers, Agricultural Colleges, Farm Paper Editors, Veterinary Surgeons and Institute Lecturers, with hardly a dissenting voice, have strongly *advised* the use of a well-balanced Tonic.

The objections to so-called Stock Foods are that the price is invariably *too high* when the *percentage of medication* is taken into consideration, and that the "filler used is not nourishing."

Another objection to these products was the excessive freight it was necessary to pay on them. While salt, charcoal, middlings, etc., took a low rate when shipped separately, when added to drugs in the form of Stock Tonics, Conditioners, etc., they took the high rate of drugs. You can readily see there is no sense in paying drug rates on middlings, sawdust, oil, meal, etc.

The Whole Story in a Nut Shell

KineTeniK is the most carefully prepared Tonic, Regulator, or Conditioner on the market with the FILLER LEFT OUT.

KineTeniK is a carefully compounded **prescription**, reflecting **the experience, experiments and actual tests** of the most successful **farmers, Stock Raisers, Veterinary Surgeons and Chemists** of the World, including **the results obtained by** the Agricultural Experiment Stations.

It comes to you in **concentrated** form and all you have to do is to mix it with salt and middlings, bran, corn-meal, oil meal or any other ground feed you may be using, to get the **best Stock Tonic, Conditioner or Regulator on the market.**

Only One Package

We only send *one* package in this manner and do not ask you to obligate yourself in any way. We simply send you a $1.00 Package of *KineTeniK*, you decide for yourself whether our claims are true, firm in the belief that after you have given it a trial you will go to your dealer and Demand that he supply you in the future. No annoying requests to buy several times as much as you can use—no premiums—just a square deal and *the best* Stock Tonic made at about one-tenth the price you are now paying and a DOLLAR PACKAGE FREE FOR TRIAL. That's what you have been looking for. Sit right down and fill out this coupon to-day and make us "show you."

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Gentlemen:—Please send me absolutely free your $5.00 Home Study in Veterinary Surgery covering the Treatment of Ailments of all stock, including valuable formulas for treating all my live stock. Also send me a $1.00 Package of **KineTeniK** (sufficient to make from 25 to 100 lbs. of Stock Tonic, Conditioner, Regulator, or Conditioner Powders according to strength desired.) I understand both are to be sent me **absolutely free** and I am not to pay you one cent for either Home Study Course or Dollar Package of **KineTeniK** either now or at any time in the future.

Name.....

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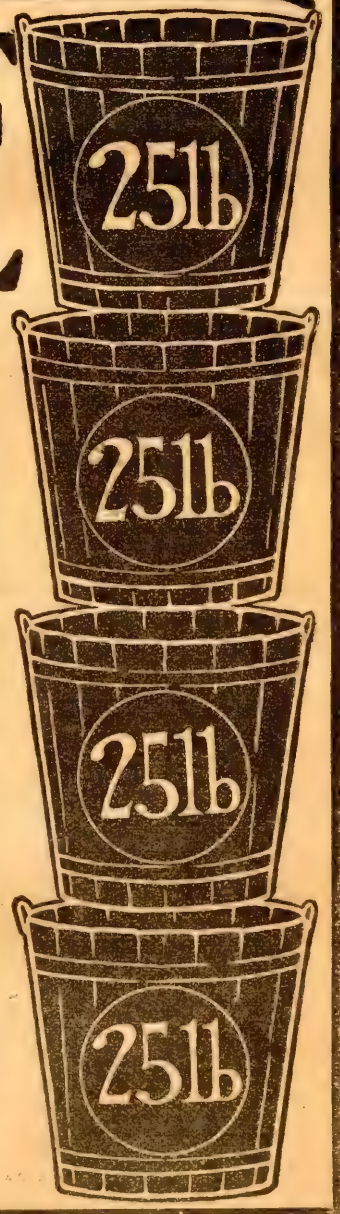
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Don't Send a Cent

We **know** the farmers of this country. We know they will treat us right when they learn just what we are trying to do for them. It is this knowledge and supreme confidence in the farmer that leads us to make this stupendous offer to readers of this paper, and the Publishers will guarantee to you the faithful carrying out of our promise.

Just fill out this coupon and mail it to us today and we will send you by **express, a $1.00 Package of KineTeniK,** enough to make from 25 to 100 pounds of Stock Tonic, Conditioner, Condition Powder, or Regulator, according to the strength you desire to feed it. This is **free** and you are not to pay us a cent.

FREE



A sufficient quantity of

KineTeniK

[The cheapest and BEST Stock Tonic on earth with the SALT and FILLER *Left Out*]

To Make Four Pails or 100 Pounds

of the Best Stock Tonic Conditioner, Regulator or Condition Powders for all your Horses, Cattle, Hogs, Sheep and Pet Stock.

KarBraK Chemical Company, H. F. Bush, Gen'l Mgr.

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227 WEST WASHINGTON STREET

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EDITORIAL

The Reality of Cold Storage

Make It More General

COLD storage is a means of preserving commodities that would naturally perish with the season, or of prolonging the usefulness of commodities whose natural period of usefulness is short. But this definition must be taken with some qualification, for there are other means of preserving and prolonging the usefulness of various perishable commodities.

Cold storage is based on the natural law that heat hastens decay and cold retards it. In this we must not be unmindful of the fact that freezing may so change the nature of a useful commodity as to make it worthless so far as human use is concerned, but the change does not manifest itself until the cold is overcome by heat and the commodity thaws, as it is called. From this it is evident that cold storage must hold a very narrow margin between heat and cold; it must be cold enough to prevent decay, but warm enough that there may be no danger of freezing. Means to keep within this narrow margin with practical certainty is a recent discovery, and may take rank with other great discoveries of importance to the human race that were made at the precise time when their results were a necessity.

Thus are we justified in saying that cold storage is a blessing to the human family. The changed conditions of the people compared with those conditions in the past, are so marked as to make changed methods necessary to meet their needs. There are now so many who do not produce what they consume that it would be impossible to supply the wants of all were there no means of holding the otherwise perishable commodities from season to season so that they may be drawn upon at any time when needed.

Besides serving this purpose, cold storage plays the part in the producing and consuming world that the automatic governor of the steam engine plays in steam propelled machinery. When the power becomes too great, its own increased activity shuts it off, and when it is too weak its slowness opens its power exerting capacity. So when production overlaps its needs, cold storage removes the surplus from interfering with normal supply, and holds it until a time may come when the supply proves to be short, and then brings it forth to meet the deficiency and restore the equilibrium of supply and demand. In this function it is not at all harmful to the consumer, for his wants are left fully supplied at normal prices, and it is of great benefit to the producer, because without it the surplus would be left on the market to perish in the limit of its natural existence, or it would glut the markets and impair the value of the entire product.

But men are queer animals, exceedingly perverse in their nature, as liable to turn a blessing into a curse as to appreciate and enjoy its goodness. So it seems to be with cold storage. The process is a simple one, but to accomplish it on a large scale requires room, facilities, more or less machinery, and chemicals and chemical appliances. These requirements prevent cold storage from becoming general, and have led to the establishment of plants and the concentration of ownership and control. Greed seems to be the dominating spirit of all consolidated interests, and cold storage is evidently no exception. So long as it is employed to take care of surpluses and hold supplies to draw upon in case of need, it is beneficient in its effect, and a blessing to the human family. But when it is made an instrument to draw from the needed supply that prices on what is left may be made exorbitant, or of holding beyond the reach of the needy to pour fortunes into the combined coffers of the already rich, the blessing becomes a curse, and it is up to the governing powers, in this country the people themselves, to restrain the abuse, and bring back the blessing to its beneficent function.

This the present control of cold storage does not want. Not many of our readers know that the cold storage people have a publication, regularly issued, to represent them, guard their interests, defend their methods, and mold public sentiment in their favor. The paper is appropriately named "Cold" and it comes with a "chill" to the general reader. Placing cold storage under legal control to prevent its abuses, has been suggested, but, as was to be expected, "Cold" opposes that, and gives warning in advance that such laws could not be enforced, because "no one knows what cold storage is, and no line could be drawn between the mammoth plants of the combines and the farmer's potato pit or cellar. Evil's plea has always been to be let alone. It is not proposed to regulate by law storage itself, but the greed that abuses it.

However, we are free to confess that past experience in the legal control of evils backed by greed, is not very reassuring. The final remedy, it occurs to us, is to reduce the abuses to the minimum by making cold storage more general. Any where north of the dependable frost line, the out-door pit, or the well-drained and properly constructed cellar, or the frost proof structure above ground, will serve for many important products in winter; and so simple is the general-year-round process that any organized neighborhood of farmers may as easily provide for cold storage as to erect and equip a church building or school house. Commodities stored in these local plants would relieve crops of their surplus, prevent market gluts, and save prices and values, but they would never be held to Bull the markets and rob the consumers. They would regulate themselves in the interest of all, and truly serve as the governor of the steam engine, to hold back the excessive supply to be let out again when needed, thus automatically evening up unexpected and unavoidable shortages, and as we have said, maintain the equilibrium of supply and demand.

Weakness of Single Effort

Let Us All Pull Together

THE universal feeling among farmers that their business is at a disadvantage compared with other lines of business, is manifested in their frequent attempts at organization to control their business. But, as is always so in the beginning of any great movement, the attempts have so far been feeble and ineffective, though we are glad to say, no little progress has been made, especially in the matter of education. Farmers know more to-day of the business relation of agriculture to other callings than they ever did before.

So far the weakness of the efforts to control and direct the business interests of farming is in their individualism. This is an age of concentration and united effort. Other callings not only organize and unite those who pursue each particular calling, but after being so organized, the different organizations form working alliances or co-operative unions that make each a source of strength and support to the other. Of course that makes them formidable in competition with any power not so organized and allied together for mutual support.

The unorganized condition of agriculture, though in the aggregate, greater than all the others, makes that the great field of spoilation for the better organized classes. Farmers have tried to organize, it is true, and their efforts have been commendable, but those attempts have been too narrow in in their scope, frequently amounting to little more than the work of individuals, and seldom applying to more than one crop. Cotton growers have tried to organize, and so have the fruit growers, potato growers, etc. We have had fruit shippers' associations, dairymen's associations, citrous fruits associations, and so on, almost as many as there are different crops produced, and frequently different associations for the same crops in different parts of the country.

In but a single instance has an attempt been made to include all the crops in one organization, and that was the Society of Equity; and the success of that organization stands without a parallel in the history of farm organizations, until a few evidently selfish men, who had been trusted with important places in its councils, concluded they saw in it opportunities for personal aggrandizement in forming alliances with opposing interests, and adopting schemes entirely foreign to the interests of agriculture. These people, of course, disrupted the organization, impaired confidence for a time, weakened the efforts and impeded progress.

But the work of education has gone steadily forward, and the true principles of Equity have been maintained in that branch of the Society now taking precedence of all others, and universally known as the Farmers Society of Equity. As in the original plan, this includes all crops, and it means the equitable direction of agriculture not here and there, but throughout the whole country, especially in the interest of the farmers but incidentally in the interest of all who in any way make use of farm products. Through The Equity System of Marketing it brings producers and consumers face to face, guaranteeing a fair reward to the one, and pledging that only an equitable price shall be required from the other. This kind of movement puts agriculture on equal terms with other callings, and fairly and squarely meets their iron-clad organization, a thing the different crop associations can never do.

Whether the doors of this Society are yet open in every neighborhood or not, every farmer may aid in the movement. Every great work among the people is a work of education. Farmers must be taught. Public sentiment must be created. Success comes easy when the people understand a thing and demand it. To do this work and create this sentiment is the mission of UP-TO-DATE FARMING, and every reader of the paper will soon understand. Give us a million such readers. Every farmer can help.

It Is "Too"

WE have been among the farmers this summer. In fact, we have been among them a great many summers, and springs and winters and falls, for that matter. We have not the least bit of a disposition to make fun of farmers; to do that we would be making fun of ourself; but we do hear some funny things at almost any season.

In the spring it is too wet and muddy; and it may be too dry and too chilly. The blossoms come out too late or too early, or the corn comes up too slowly, looks too yellow, and the birds, moles and cut worms are too bad.

Then summer comes, and it is too hot or too dry. The ground gets too hard and the flies are too bad. Finally the water is too scarce for the stock, and the pastures are too scant. The meadows are too thin, and the weeds grow too fast in the corn.

But now it is autumn, and things ripen too slowly. Too many of the apples are rotten, and the cuckle burs are too bad in the corn. The stock has become too restless, and too much inclined to break fences, and the ground is too hard for fall breaking. The days are getting too short for work days, and the frost is too severe on the sweet potatoes, tomatoes and pumpkins.

These troubles pass, however, and winter comes on. Then it is too cold and too snowy, and too sloppy. The ice is too slick, and the frozen ground is too rough. The wood pile is too far away, and the barn roof is too leaky. There is too much rain, and that and the melting snow make the waters too high so that they wash too much over the fields.

It is always too something; but we seldom hear of anything being too good. If the too bads could be forgotton or not noticed, at least not mentioned, the goods would be much more observable, and life would be more cheerful and happy, and successful farming much more common.

Interesting to Tobacco Growers

OUR treatment of farming is such that, as a rule, what is interesting to the growers of one crop is interesting to the growers of all crops. It is not our purpose to make the following any exception to the rule, for whatever we suggest as a wise course for the growers of any crop is equally wise for other crops under like conditions and circumstances. Yet it is true, in writing the article our mind is specially turned to the tobacco growers.

All papers that are friendly to the farming interests, deplore the failure of the Burley Tobacco Society to control the production and marketing of the crop. This failure, says Farm and Home, leaves the farmers with a large part of the crop of 1909 unsold, and agents of the tobacco trust are going through the State buying up the crop of 1910 in order to break down the pool of 1909 and compel the sale of the pooled tobacco at the prices fixed by the Trust itself.

For this reason the paper from which we quote considers tobacco raising in a perilous position in Kentucky. The Tobacco Trust, it declares, has the State by the throat. The banks are loaded up with loans on the crop of 1910. It makes the business situation in the agricultural districts serious, it says.

As a way out, the paper recommends the selling of the crop of 1910 as rapidly as reasonable prices can be obtained, and then to enter into an agreement to reduce the acreage in 1911. Others recommend that the 1911 crop be cut out entirely; that is, that no Burley tobacco be raised next year. Such suggestions are not born of experience. No one-crop organization has ever yet been able to stop the production of that crop, and seldom has been able to reduce it. Besides, parties making those suggestions cannot be unmindful of the fact that, were it possible to stop Burley production in Kentucky, other regions will produce just as good Burley tobacco, that those regions have been found and the growth of Burley tobacco has been successfully inaugurated therein. It is very evident to us, as it must be to most thinking people, that to succeed in any effort of this character requires a broader movement than one involving a single crop, that the growers of other crops may sustain the growers of the crop involved, so that the sympathy and mutual interest may cover the whole country.

This Burley failure, however, may be, as Farm and Home considers it, an illustration of the necessity of co-operation, "and of the disaster that follows an effort to conduct your business on your own hook, regardless of what your neighbor is doing." "Had the farmers," continues the paper, "put their crops, good or bad, of 1910 in a pool, had they withheld it from the market, they could have compelled the Tobacco Trust to pay them a reasonable price for their product."

UP-TO-DATE FARMING believes the success of any effort of that kind, however desirable, depends upon how it is done — depends upon the plan. Equity must recognize the buyer as well as the seller. The interests of these two elements are mutual. When either becomes tyranical, arbitrary, inequitable, the other may "compel" a recognition of equity; but to ignore the rights and interests of either is as wrong in one as it is in the other.

An effort truly based upon equity, and recognizing these rights, and applying alike to all farm crops, cannot fail any more than can fail the rolling current of the ocean in contact with the drift wood floating in from the rivers. Agriculture is the initial business of the human race, and without its products trade would perish. It must, therefore, win in any contest pursued on the right plan.

Does Official Corruption Rule the State?

WE copy the following dispatch from a daily paper. We do not know that it is true. We are loth to believe that it is. We can not think the legislature of a state could be so completely dominated by corruption as to make possible the intimated action, or any thing like it, in retaliation for the exposure of its dishonesty and corruption. But so many things are said in so many different papers, that one scarcely knows what to think; hence we feel justified in giving the dispatch to our readers, especially since the paper from which we quote is in no sense a sensational one:

Springfield, Ill., Nov. 3.—With his salary shut off since he began to fight the "jackpotters," State's Attorney Burke is now being importuned by business men here to stop his investigations of legislative corruption lest Springfield lose the state capital. The merchants of the town say they fear the assembly, in retaliation, will take the state fair away from the city and possibly will attempt to change the capital next season. It is said Burke has been told there will be a "barrel of money" in it for him if he will stop his activities. Few of the county officers are sincerely with Burke. The board of supervisors has made no effort to supply him with money for his work and there is not enough to his account to pay his salary or that of his former assistants.

After reading that dispatch, the honest citizen may well stop and think. What does it mean? Members of the Illinois legislature have declared, under oath, that votes to elect a United States Senator had been bought with money; and at the same time, or in the same General Assembly, a large fund was raised, contributed by special interests that desired legislation in their favor or wished to defeat bills they thought would operate against them if enacted into law. This fund, called "the jack pot," not created for or against any special act, but made up by different interests that wished to secure different things, was to be used in common to buy votes and influence to accomplish the different purposes of the donars. Some of these cases have been prosecuted, and extremely bad conditions have been disclosed, but not much has been accomplished in the way of conviction and punishment.

The thought, therefore, forces itself upon the readers of the above dispatch, do the people of Illinois fear to prosecute crime lest the criminals combine and do them injury? Can they better afford to submit to the crimes than to risk what the criminals may do in revenge for exposure and prosecution? Are the criminal classes, or is it possible that they could be, strong enough in the state legislature to remove public institutions and the seat of government itself from a city that dared to enforce the laws and punish criminals?

The business men and merchants referred to in the dispatch must undoubtedly be misrepresented. If they really take such a position and have grounds for it, then honesty in official life must be at a sad discount, and government itself is in jeopardy. We cannot believe it, but the mere reports to that effect, like the dispatch we have quoted, makes it incumbent upon good citizens and honest officers to show their hands. Crime must be made odious, and it never will be made so by the criminal classes. It devolves upon the plain, conservative, independent, honest people.

BUNDLES

of this number, 25 copies for 25 cents by mail. If it was valuable to you it will be to your friends. Send silver or stamps.

MORE COMBINATION

THE papers tell us that through the National Association of Agricultural Implement and Vehicle Manufacturers, these interests have merged or combined. This materially strengthens the farm implement trust, and brings into it, including what is already in it, the manufacturers of plows, wagons, farm implements harvesters, binders, etc., of the entire country. It is said to represent a combined capital of $700,000,000, and controls an output aggregating $900,000,000 in value.

Farmers, if they will, may find a little food for thought in this additional combination. The plow with which they break their ground is controlled in output and price by a combination. The seeder with which they plant is also so controlled as is also the cultivator with which they combat the weeds and keep the ground in good condition; also the machines with which they do the harvesting no matter what the crop, and the wagons on which it is drawn to market. Everything the farmer uses, the things necessary to his business, and that he must have or quit farming, are thus controlled in the quantity made and offered for sale, and in the price.

How are the crops controlled that are produced with these things? Is it not the rule, and is that not in accord with the advice almost universally given, for each farmer to do his utmost to produce all he possibly can, and then rush it to market as quickly as he can, at prices made by somebody else, and which he knew nothing about until he was informed by the buyer? We appeal to every reader of this paper if that is not a true and fair statement of the general plan of production and marketing by the farmers of this country.

Note the difference. The manufacturers combine and control how much they will make or produce; then they decide upon a price, and will not market except at the price. The farmers strain every nerve to produce all they can, and then rush it all to market as quick as they can, without regard to quantity, demand or price.

It looks like any one could see the disadvantages under which the farmers do business; and the wonder is that agriculture is not a bankrupt occupation today. The only reason why it is not, is because it is the foundation of all other business, none of which could exist without the products of agriculture. In the days of slavery, even the cruelest masters fed their slaves that they might be able to do the work required of them. Under the present system can farmers say more is allowed them?

But how many farmers escape these disadvantages? Simply do as the others do. Combine to the extent that the output may be controlled when necessary, and then market according to the supply and demand to secure the equitable price. Adopt a system of marketing that regards the farmers' interests, and is not altogether in the interest of the buyer as the present system is. That will bring the needed change.

ROADS AND ROAD WORKING

WE have not yet been familiar with a farm neighborhood where the so-called working of the public roads was not a farce. We mean neighborhoods that have not yet risen above the natural dirt roads. These roads are "worked" regularly every year; the law requires them to be; but who ever found one of these roads getting better from year to year? The mud holes are supposed to be filled up, the ditches and drains are presumed to be opened; but usually when the mud holes were and elsewhere, the dirt drawn in is left in bumpy scraperfull, and the drains are as often turned into the road as out of it.

Different states have different systems of working the roads, if the word system may be appropriately used at all in that connection; but usually the road officers are elected by the voters, or are appointed by those who have been so elected. These officers are generally farmers, who ought to know the roads and appreciate the need of good ones. But those who travel these roads find it difficult to believe the workers of them knew no better. There is manifested a universal carlessness in road work. Jobs are begun and left unfinished in such a state as to make the work done more harmful than otherwise. The bosses, commissioners or supervisors knew better, but they find some excuse for quitting where it would have been better had they never begun. Time was out, the work of the road hands had all been done, or the road funds were exhausted.

How much conscientiousness was there in it? How much of the spirit that directs successful work in other matters? Almost all public officers are required to give a bond for the faithful discharge of official duties, and to take an oath that they will do them properly. Under what obligation are road officers placed? It is not that road officers are wilfully unfaithful, or that they are reckless of official duty, nor that they are ignorant of how the work to be effective, ought to be done. It is simply a habit or custom that has grown up in road work—a habit of unconcern. The roads must be "worked," and the time of the hands must be put in, and that ends it. There is room for knocking out the old and bringing in the new in these lines, sure.

REDUCING THE COST OF FARMING

INVENTION has done much for agriculture. Those yet living remember implements that would not be used at all now, and there are rumors of still more remarkable cost savers. There are plowed annually in the United States, almost entirely by horse power, about 300,000,000 acres of land. It is safe to say that the average cost of this breaking of land is not less than $1.50 per acre, making the total cost each year of breaking land in this country $450,000,000.

It is now claimed that there is on the market, or soon will be, an oil burning tractor which will reduce this cost of plowing to fifty cents per acre. Such a machine, it is said, is one of the attractions at the U. S. Land and Irrigation Exposition at the Coliseum in Chicago, having begun November 19 and to close December 4. The engine, it is claimed, burns the lowest grades of kerosene, the refuse from gasoline refineries, which is even cheaper than coal, because a larger percentage of the heat value is turned into useful work.

NOW POINT TO THE SYSTEM

For years we have pointed the way to the farmers what they should do to get right prices for their products. Now we point to the system. When the Equity System plan is grasped and intelligently used farmers will soon set the price on all the products of the field. The victory will be, not for those producing one crop, but for all producers.



The only way to re-establish the balance.

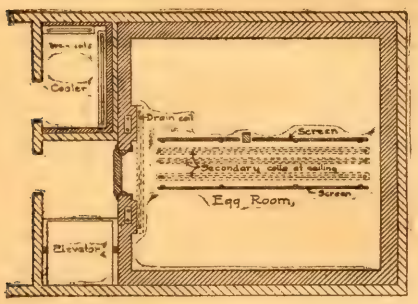
BUTTER AND EGG COLD STORAGE

MUCH has been written about the uses and abuses of cold storage houses. It cannot be denied that they have been made the medium to create artificial scarcity on markets and unfairly high prices. But this paper has always contended that the cold storage houses should belong to the producers, at least the food products stored in them, should be the property of the first owners. Used in this way they may, and will become the medium to maintain fair, equitable and steady prices to both producers and consumers all through the year. We intend to continue this kind of education and we are pleased to illustrate and describe a plant owned by Mr. E. C. Hartz, of Bay City, Mich.



This plant is for butter and eggs. We show a good photograph of the exterior and plans and sections of the interior.

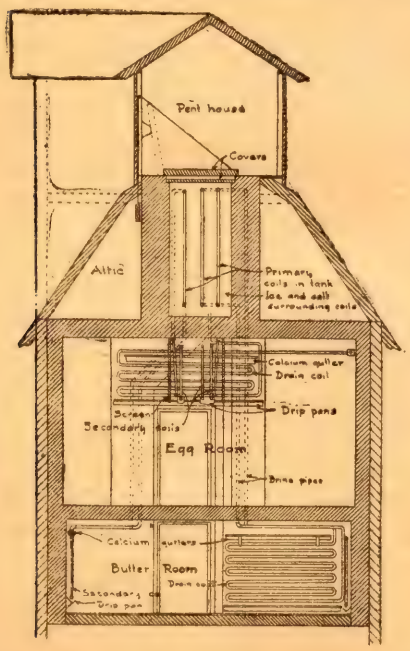
Hollow concrete blocks are used for the construction of this building which consists of two stories and attic. In the basement is located the butter



First Floor Plan

freezer and on the main floor is found the egg storage room. The primary tanks are located in the attic which is also used for the storage of empty packages, salt, etc. No ice storage room is used in connection with this plant, the ice being bought from a local ice company as needed.

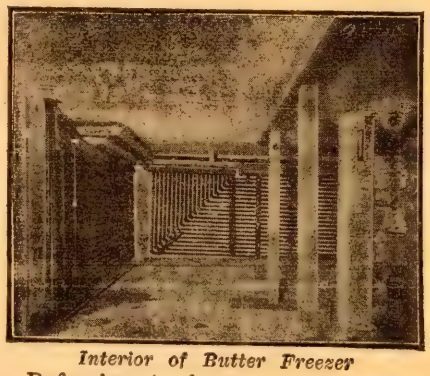
In the photograph will be seen the pent house on the roof. This is in two sections; the taller or more



Transverse Section

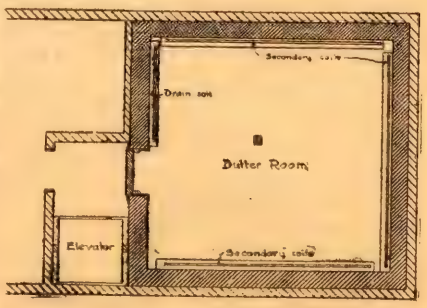
prominent of the two contains the freight elevator which is used for lowering goods to the basement and elevating them to the second floor, and it is also used to lift ice to the top of primary tanks. (See sectional view). The other section of the pent house covers primary tanks and allows standing room on top of the tanks in filling them with ice and salt.

In the first floor plan the arrangement of the egg room in connection with elevators, etc., is shown. A small cooling room refrigerated by drips, or melted ice and salt from primary tanks, is shown, and is used for temporary storage only. The secondary coils of the Gravity Brine System hang from the ceiling of the egg room and give ample standing space beneath. These coils are fitted with screens so as to promote a flow of air over them, and also prevent possibility of freezing eggs where they are piled near the coils. A temperature of 29 degrees F. was guaranteed for this egg room and is easily maintained.



Interior of Butter Freezer

Referring to basement floor plan: The arrangement of butter freezer may be noted. In this room the secordinary coils of the Gravity Brine System are hung on the side walls, and practicaly their entire surface is covered with piping. This arrangement was made necessary by the fact that the basement is a low room because of the difficulty of obtaining drainage. The flashlight photograph shown on this page gives a very good idea of the appearance of the interior of the butter freezer. A temperature of 15 degrees F. was guaranteed for this room and 10 degrees F. may be obtained if wanted.



Basement Plan

For a jobbing or commission business in the handling of butter and

(Continued on page 20)

I Wish I Could Talk Personally With Every Reader of Up-to-Date Farming

Already there are over a hundred of its readers I have met personally and shown over our lands. There are over a hundred of its readers to whom I have sold farms. And every one is pleased with his purchase. Every man gets a square deal.

More people are going to Texas than to any other section of our country. There are more opportunities offered home-makers and investors in Texas than any other part of the U. S. You owe it to yourself to investigate.

Don't go to the frozen North. Go with me to the Sunny South. Go with me to Texas and you will not regret it.

The coast country of Texas is famous all over the United States. Tens of thousands of Northern people have bought land in that district and are prosperous and happy farmers.

The Best Tract of Land in all that Country Has Just Been Opened for Settlement. It is the

FAMOUS O'CONNOR RANCH

In Calhoun County, Comprising 70,000 Acres

It is the Best Because—

—the land is unsurpassed in richness and quality.

—it is bordered by the Gulf and Bays on three sides.

—it has a railroad through the entire length, 19 miles, and no farm will be more than five miles from the railroad.

—it has a Gulf port, Port O'Connor, which is destined to be one of the important cities on the Gulf.

—it is on the great new Intercoastal Canal.

—the land is underlaid with artesian water and 23 wells are now flowing on our land.

—the water is pure and plenty of it.

It is the Best Because—

—the rainfall is more abundant than farther south, average 38 inches rainfall well distributed throughout the year. (Rainfall in Indiana about 36 inches a year.)

—the greatest variety of crops can be raised, cotton, grain, fruit and vegetables.

—early vegetables and fruit grown here find markets in the North at fancy prices.

—the water shipping facilities gives this section low, competing freight rates to the great Eastern and Northern markets.

—there is no winter and the cool gulf breazes make the summer delightful.

This is What You Can do Now

You can go with me on the next excursion and select a farm on the railroad that might become a townsite. Or on one of the beautiful bays where it will be a pleasure and constant delight to live and enjoy such hunting, fishing and bathing ac cannot be surpassed anywhere. Or interior land if you prefer. And remember: on any of this land you can have crops growing every month in the year.

The land is level; no stumps, or stones, but is ready for the plow. Locate your farm, begin work and sell crops in a few months.

Being nearly surrounded by water, the climate is cool, with Gulf breezes. There is no winter and there is no sweltering summer. Never has been a tidal wave and never can be as it lies too high and is protected by islands.

I am not attempting to tell you all about the **FAMOUS O'CONNOR RANCH.** It takes a book to do that and I want to send you one. All I hope to do in this advertisement is to get you interested. **I invite you now** to go and see for yourself. If you do not delay you can select one of the choicest farms that will produce more per acre than farms worth $150 to $200 an acre in Indiana or Illinois. Land no better than ours in this section is selling for double our price and it is not nearly so well located. We are owners—not agents—and want to develop the town as well as to sell farms.

Let me send you my book and full particulars, then you can decide. Don't try to decide before you get it, if you want a home and business, or if you want to invest in land that will double and triple in value in a few years.

Fill out the coupon and send at once.

CALHOUN COUNTY CATTLE COMPANY

C. H. LEE, Manager Indianapolis Office

INDIANAPOLIS INDIANA

— — — — — — — — THIS IS THE COUPON — — — — — — — —

MR. C. H. LEE, Indianapolis, Ind.

Dear Sir: Please send me free full particulars of the O'Connor Ranch lands, prices and when your next excursion will go. I am interested in a farm of.....acres.

My name .....

Address .....

LOAFER LAND

Loafer land is that land that is non-productive because it is covered with stumps. Or it is any land that is occupied by a stump. This is the richest land of all if you can use it.

Marshall White, one of the largest producing farmers in Appanoose County, Iowa, says: "A large stump, 20 inches in diameter, will waste as much land as is required for raising an average of eight hills of corn. The eight hills of corn would average one-half bushel. By removing my stumps and planting an average of eight hills wherever there was a stump I increased



A Dethroned Monarch.

Leaving at least 16 square yards of most fertile tillable ground.

my yield ten bushels to the acre, which at 60 cents a bushel was equal to $6.00 to an acre. On the thirty acres that I went over and pulled out I saved more than the price of the machine the first year, yet my boys and I did the work in a few weeks in the spring. I consider the time and labor wasted from plowing, planting and cultivating a crop of corn around a lot of stumps in the field in one season amounts to more than time and labor it takes to pull out the stumps in the first place with a good machine. When I cleared my stumps, my increase of corn the first year more than paid for my machine. The labor wasted in cultivating was equal to the labor required in pulling stumps. The land is worth $25.00 an acre more and every year hereafter, the increased yield and the labor saved will be clear profit to me."

BENEFITS OF AN AUTOMOBILE

The farm will benefit from owning an automobile as much, or more, than any other class. Every member of the family will benefit from it.

A motor car, while it does not actually move your farm nearer town, to all purposes does equally as much by shortening the time of coming and going. Wife and family have advantage of the town and city social life and also an increased enjoyment in the country.

Have you considered what the saving of a half hour or an hour of two hours means to you in going to town? This is just one advantage in a business way.

Then for actual pleasure and healthful exercise nothing surpasses the automobile. And another thing, the whole family goes along and the horses rest! Look into it up-to-date farmers!

AUTOMOBILE COST AND PROFITS

Some people have the impression that a moderate priced automobile is an assembled car. This is far from the truth. Only by making all the parts of a car and being content with as small profit can a manufacturer compete in this line. If he bought his parts from others he would have to pay each a good round profit. All of the leading medium priced cars are made in great well regulated factories where large numbers cut down costs on each individual car. The moderate priced automobile offers the biggest bargain to the buyer today.

Nerve

LADY—"Why do you give me this bit of paper?"

TRAMP—"Madam, I do not like to criticize your soup, but it is not like mother used to make. Allow me to give you her recipe."—*Fliegende Blaetter.*

He Knew Where It Was

"I want to look at some false hair," said the lady to the clerk.

"Just step this way; here is the looking glass," politely responded the clerk.

Our Factory Price and Book Prove This the Biggest 1911 Value in a Harrow

HERE'S the one harrow bargain of the year—the *first* and *only genuine tongueless* Disc—at a price that you can't resist. You can't get higher quality or bigger value no matter what you pay. We'll let you have this Detroit-American on the only *Real* 30 day free trial offer—no money in advance, no deposit and we pay the freight. Then if you decide to keep the harrow, send money or pay on time—and our unlimited time guarantee protects you *forever*. Don't use an old fashioned tongue disc with its whipping and pounding of horses and neck-weight which injures the team just when you need it most. A tongueless disc solves the problem, saves the horses, saves time and work, lets you work closer to fences because no pole to catch.

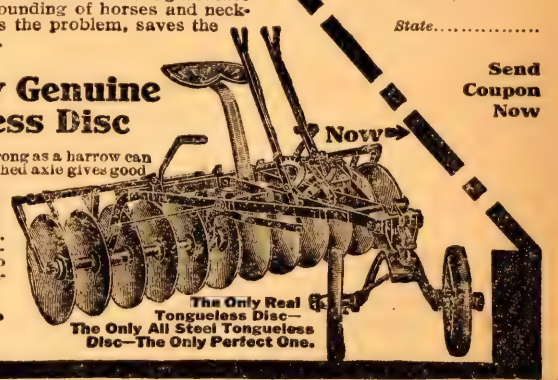
Get our book and freight paid price *first*. Note that the

Detroit-American The Only Genuine Tongueless Disc

is all steel, which means no breakage, no repairs or costly delays in busy season. Light in *draft*—strong as a harrow can be made. Entire frame and front trucks are steel. Wide tired steel wheels do not cut into soil. Arched axle gives good clearance. Trucks are attached to frame by flexible pivot so wheels pass over uneven places without disturbing the perfect balance of frame. Steel discs cut to uniform depth. Disc sections do not strike together in center. All end thrust taken up by *Hard Maple Ring* Bearings. Pipe oilers. Steel Separators between blades. Long blade scrapers. These and many other Detroit-American advantages are shown in our big book. Choice of 16 sizes, cutting from 4 feet to 10 feet in width. Regular round disc blades 16, 18 and 20 inches. Cutaway discs furnished if desired. Get *your* harrow at a price that makes it the biggest bargain ever offered. Send coupon now. Get the guide to the right harrow at the right price. Also see new Detroit-American Manure Spreaders and Cultivators. All in the Big Book. Write *now*. Address

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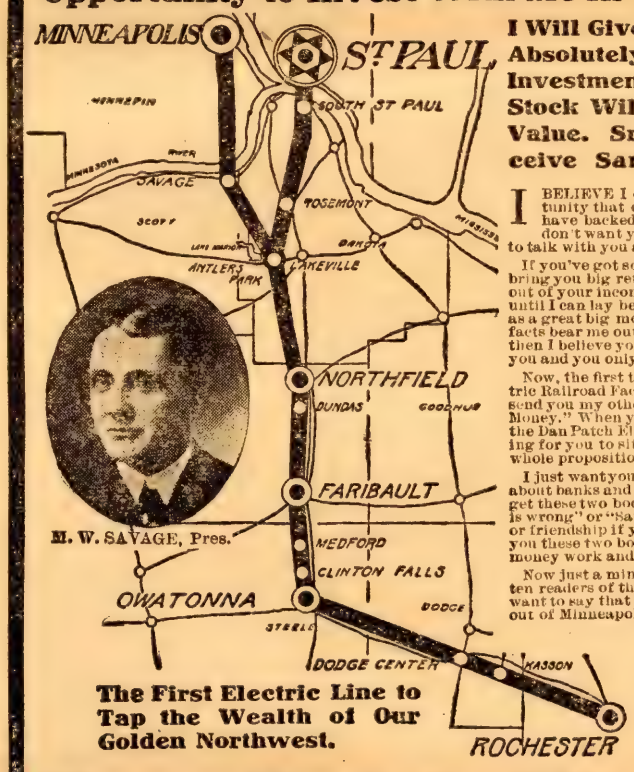
The Only Real Tongueless Disc—The Only All Steel Tongueless Disc—The Only Perfect One.

BUY THE LOWEST COST ENGINE

MADE. Lowest fuel cost; lowest up-keep cost; easiest on the machine it operates, delivering steadier power than any other gasoline engine, adapting it especially for operating farm machinery, with better results and least waste of grain. Lowest fuel cost for it runs on Gasoline, Kerosene, Distillate, Gas or Alcohol and has perfect lubrication. Lowest cost because it delivers greatest available power per horse. A slow speed, high duty engine. Starts easier and quicker than any other engine, occupies less space, is less cumbersome, with less vibration, therefore adapting it for either stationary, portable or traction use. **IT IS THE POWER CONTRACTOR'S FAVORITE ENGINE.** No engine made has so wide a range of use. **YOU WILL MAKE A MISTAKE IF YOU DO NOT WRITE US FOR INFORMATION.** 1½ H. P. to 5½ H. P. single cylinder. 6 to 20 H. P. two cylinder. 30 to 50 H. P. four cylinder. State your requirements and get our advise. **THE TEMPLE PUMP CO., Manufacturers, 432 West 15th St., Chicago, U. S. A.** This is our 58th year.

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The First Electric Line to Tap the Wealth of Our Golden Northwest.

I Will Give You $1000 in the Voting Stock, Absolutely Free, in Addition to a 10 Share Investment, and I Believe this Free Stock Will Increase to Over $2000 Cash Value. Smaller Investments Will Receive Same Proportion of Free Stock.

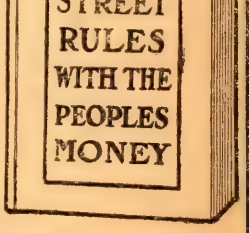
I BELIEVE I can show you the best electric investment opportunity that ever came to your notice—I firmly believe it and I have backed up my belief by a $100,000 investment myself. I don't want you to say "yes" or "no" until you give me a chance to talk with you a little while.

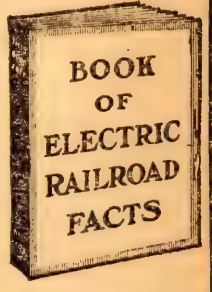
If you've got some money that you want to place where it will bring you big returns, or if you want to invest a little each month out of your income, give me your careful attention for a little while until I can lay before you an investment proposition that strikes me as a great big money maker for the people, and the indisputable facts bear me out in my judgment—I want you to have all the facts and then I believe you will want to put your money where it will work for you and you only.

Now, the first thing to do is to send you my big 40-page "Book of Electric Railroad Facts," which I'll mail you free and at the same time I also send you my other book called "Why Wall Street Rules With the People's Money." When you get these two books which contain all the facts about the Dan Patch Electric Railroad and about me, personally, then I'm willing for you to sit in the quiet of your home and pass judgment on the whole proposition.

I just want you to have these two free books that will open your eyes about banks and Wall Street and investments in general; and when you get these two books I'll stake my chances on whether you'll say "Savage is wrong" or "Savage is right," and it won't interfere with our feelings or friendship if you never invest a dollar or never write me again. I offer you these two books free—I want to show you how you can make your money work and earn for you.

Now just a minute, while I give you a few facts. Perhaps nine out of ten readers of this paper know me already, but to those who do not, I want to say that I've been doing a national and international business out of Minneapolis for the past 22 years.





My business is now the largest of its kind in the world—made so by the continued patronage of nearly three million, thinking, progressive, hard working farmers and stock-raisers. These people are my friends and customers—thousands have already invested in my new enterprise—some from your own State and from every State in the Union and every Province in Canada. I have built up a number of big enterprises here in the Northwest and now I'm building the biggest of them all. It is known as the People's Electric Railroad, owned and controlled by the people.

Dan Patch Electric Railroad

The Dan Patch Electric Railroad runs from Minneapolis to Rochester, and back from Lakeville to St. Paul—130 miles.

I am not merely "thinking" of building this Railroad, I am really building it now. The Northern Section is now in successful operation—great crowds tax the capacity of our magnificent cars—3000 tons of steel rails are being delivered and laid on the Northfield Division and grading has commenced on the last division south.

I am working to make this the best constructed and biggest dividend-paying Electric Railroad in the country. High-class Electric Roads from New York to Spokane are great money-makers. I tell you all about it in my Big Book. This is the second time I have given the people a chance to share with me—my other new enterprise paid 8 per cent the first nine months and 10 per cent again this year.

Now is your chance to share with me in this enterprise—the greatest of them all. I will give you $1000 in voting stock in addition to a small investment. I want to send you the estimated net profit statement, showing how your investment can rapidly increase in cash value. This information is contained in my Big Book of Electric Railroad Facts. I want you to have it even though you never invest a dollar, and I am especially anxious for you to have my new Book, "Why Wall Street Rules With the People's Money."

Don't be backward about sending for these books I want you to have them and they won't cost you a cent—they are free—some of these Wall Street secrets will open your eyes. I want you to see how the people's money works for Wall Street. I want to show you how to make your money work for you and for no one else.

M. W. Savage, President Dan Patch Electric Railroad Minneapolis, Minn.

Dear Mr. Savage:—I don't know whether I'll invest any money or not, but would like to have you send me your two Books—without any obligation on my part—"Book of Electric Railroad Facts" and "Why Wall Street Rules With the People's Money."

Send For The 2 Books Now.

MAIL ME THIS "FREE BOOKS" COUPON

I personally guarantee to protect your stock equally with my own and that it will make exactly the same per cent of profit. This is truly a people's road that is owned and controlled by the people.

I have just published a splendid photograph, 15x21 showing our splendid cars crowded with people arriving at Washburn Park Station. I will send you one free with the books—I want to tell you about this investment opportunity and how 4000 small investors have made it possible to build and operate this line without the help of Wall Street.

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Prof. Jesse Beery is acknowledged to be the world's master horseman. His exhibitions of taming man killing horses, and conquering horses of all dispositions have thrilled vast audiences everywhere.

He is now teaching his marvelously successful methods to others. His system of Horse Training and Colt Breaking opens up a most attractive money-making field to the man who masters its simple principles.

Competent Horse Trainers are in demand everywhere. People gladly pay $15 to $25 a head to have horses tamed, trained, cured of habits—to have colts broken to harness. A good trainer can always keep his stable full of horses.

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NEVER KNOWN TO FAIL

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Gentlemen: I keep a number of horses and have used your Spavin Cure for the last eight years. *I have never known it to fail in whatever way used.* T. W. Babcock.

For Spavin, Ringbone, Curb, Splint, Sprains, Swollen Joints, All Lameness

—Proved by 40 years of use by hundreds of thousands, the best that the medical world affords. The standby for family use also. **$1 a bottle, 6 for $5.** Buy at drug stores and get free book, "A Treatise on the Horse," or write to—

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When you buy ready mixed Stock Food you pay at the rate of $250 a ton for bran, meal and other ingredients. You can mix your own for $3.60 a hundred pounds. Upon request I will send you **free** a formula for mixing the best **Stock Food** known to the Veterinary Profession. Send post card today for this **Free Formula.**

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SPAVINS Absolutely Removed and Permanently Cured in 24 Hours. Splints, Ringbones, Curbs. Lump Jaw. Sweeney, Bunches, Lameness, just as QUICK. You don't need to keep your horses in the stable eating their heads off while using my medicine. Write

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Farmers Sons Wanted with knowledge of farm stock and fair education to work in an office; **$80** a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. **The Veterinary Science Association, Dept. 22, London, Canada.**

HOW To Cure HEAVES and 23 best horse receipts in the world for 20c. Dr. J. BURDICK, Sandwich, Ill.



Uncle Eben Smiles

Uncle Eben wears a smile;
He fed his corn to cattle slick,
And growing hogs that all the while
Were building profits high and quick.

And when he sold you may be sure
He scanned each page of UP-TO-DATE.
His gains were greater, losses fewer,
And Uncle Eben smiles at fate.

THE MILCH COW

WE are saying nothing new when we call the milk cow a machine. She verily is a machine and has often been so called. Her function as a machine is to manufacture milk, to take certain raw material as other machines do, and convert it into a useful commodity. It may be well to compare her treatment with that given a mechanical machine.

To operate a machine successfully, the operator must know every part of the machine and its relation to every other part. When any part of a machine is out of order he must be able to repair and readjust it so that it will again properly perform its part in the work of the machine. Every part must work smoothly. To that end the adjustment must be perfect, and the parts must be kept oiled. To do its work it must be given the right kind of material to work upon, and that material must be in condition to be most available. If the machine is to make flour, it must have its required grain to make it of, and that grain must be clean and dry. If it is to make cloth it will fail if given grain or even the precious metals.

As a machine the cow has a more delicate construction than any machine of human creation, yet how seldom is her different organisms, and their functions and relation to each other, studied. Any one who can throw her a little feed, sometimes of one kind and sometimes of another, and so manipulate the teats as to get the milk, knows enough to operate the machine.

As has been said, the functions of the cow is to manufacture milk that is to contain more or less of cream and butter fat. She cannot do that without suitable material to make it of, and, having the material, she must be in good health, every part must be in condition to perform its work. The material is taken as food, and that food must be of suitable kind and of the necessary quantity, given at proper times and in a way convenient for her to get it. She must be comfortable, so that all parts of the machine may do their alloted work. She must be kindly treated and handled gently, lest the pounding and knocking and rough treatment disturb the harmonious working of the different parts of the machine.

This is written to stimulate thought and of course it is addressed to people who think.

WARTS ON TEATS

TO remove warts from cows' teats, apply castor oil three times daily. warts will soon disappear, and the cow will not be injured in any way.

Looked Natural

"Yes, he married a widow from the blue grass country."

"What does she look like?"

"A blue, grass widow, of course."

Absorbine is the most successful remedy for removing soft bunches from horses that is on the market. No blister, no hair gone and you use the horse during the treatment. H. H. Clause, Pittsfield, Ill., under date of Sept. 16, 1910, reported, "My horse is now able to work all right. Would not take $150 for him and four weeks ago would have given him away." Use Absorbine for Wind Puff, Soft Swellings, Rheumatism, Stiff Shoulders, Capped Hock, Bog Spavin, Thoroughpin, etc. Write for descriptive pamphlet sent free upon request. W. F. Young, P. D. F., 102 Temple St., Springfield, Mass.

CASTRATION

THIS is an unpleasant task farmers should not postpone. The younger the animal the more easily is the operation performed, and it is less likely to be followed by serious results. This applies particularly to lambs, pigs and calves. In the case of colts it is generally understaad that the operation must await a certain degree of development.

Some still think there is "something in the sign," referring unknowingly to the signs of the zodiac, each being supposed by the ancients to exercise an influence on different organs or portions of the body. We have noticed that those who do not regard "the signs" suffer no more losses from castrating animals than those who do. Use a sharp knife, have the animal securely held, do the work with care, be certain that it is completely done, fill the wound with fresh lard or carbolized petroleum, and very little trouble need be apprehended. Avoid weather either excessively hot or excessively cold. Lambs will better stand cold weather than other animals and pigs will better stand hot weather provided they have water or mud to wallow in. Lambs that have been castrated usually bring more on the market than those that have not.

Perhaps It's So

"Any man who considers his wife a burden is a beast!" snapped Mrs. Growler.

"Yes," meekly replied her husband, "a beast of burden."



ABSORBINE

Will reduce inflamed, strained, swollen Tendons, Ligaments, Muscles or Bruises, Cure the Lameness and stop pain from a **Splint, Side Bone or Bone Spavin.** No blister, no hair gone. Horse can be used. $2.00 a bottle, delivered.

Before After **Horse Book 2 E free.**

ABSORBINE, JR., for mankind, $1 and $2. Reduces strained, torn ligaments, enlarged glands, veins or muscles—heals ulcers—allays pain. Your druggist can supply and give references. Will tell you more if you write. Book Free. Manufactured only by W. F. YOUNG, P. D. F., 102 Temple St., Springfield, Mass.

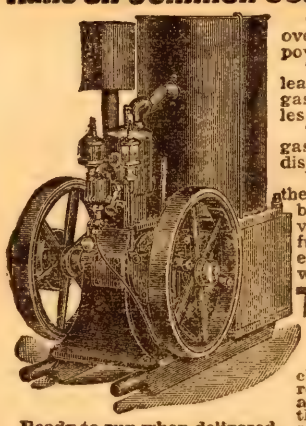
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Buy where your money goes furthest in the greatest blue-grass, corn and cattle country in the world. Why pay $150 to $200 per acre for land in the high priced sections of the central west when you can get just as productive corn land and more productive grass land in Ringgold county—the heart of the blue grass region of southern Iowa—for half the money. Its a plain, simple, business proposition. Come and look our land over—see corn that will average from fifty to seventy-five bushels to the acre over the entire county; observe our magnificent blue grass; our mild winters which enable the cattle to put on fat; in short bring a pencil along with you and figure it out for yourself after we have shown you the goods. Or write to us for booklet containing full information and list of farms described in detail, giving acreage, improvements, lay of the land, prices, etc. We have farms from eighty to 320 acres priced from $60 to $100 depending on lay of the land and location.

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The "Detroit" produces greater power from less fuel than any gasoline engine. Runs equally well on kerosene, gasoline, alcohol, distillate, etc.

Why buy a gasoline engine, and pay two prices for fuel, when the splendid "Detroit," **for much less money,** does more and better work **running on coal oil?** Its simplicity, power and convenience are wonderful. Only three moving parts. Speed and fuel consumption under absolute control. Children run it with ease. Mounted on skids—easily portable. Does work of engines weighing four times as much.

Ready to run when delivered. Starts without cranking. One-fourth the weight of other engines. Speed and fuel consumption under perfect control. Only three moving parts. No cams, gears, valves or sprockets—no fuel pump. Overruns its rated horse power. From maker to user—only one profit. Light weight saves freight. (65)

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You can order any size "Detroit" Engine from 2 to 20 H. P., inclusive, on 15 days' trial, under an ironclad agreement that we will **refund every dollar you pay us for this engine if you are not abundantly satisfied**—you to be the sole judge. Every engine gets a thorough trial run immediately before leaving factory. Our factory prices save you from $40 to $200 on the engine you purchase. Every "Detroit" guaranteed by our entire capital.

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Puts the salt at the bone, right where the joints sour, and in liquid form to be immediately absorbed. Take no risk with your joints. Pork is too high to lose.

One Joint Saved Pays for the Salter

and it saves all of them.

The following from a physician tells the whole story:

MASONVILLE, KY.

I am writing to say that I have used your Farmers Meat Salter and find it will do all you claim for it. It enables one to place the salt solution where decomposition first begins—around the bone. You cannot attain this by any other method, so I unhesitatingly recommend your instrument to anyone desiring to cure joints of meat.

DR. J. W. ELLIS.

Ask your dealer or send $3.00 for one by mail, to

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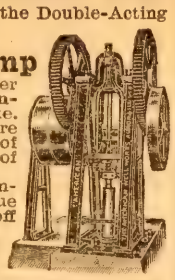
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With the same power from deep wells

It is accomplished with the Double-Acting

"American" Deep Well Pump



It delivers full cylinder capacity both on the **Down**-stroke and the **Up**-stroke. It requires at no time more power than the up-stroke of a single-acting cylinder of the same displacement.

Send for the most complete deep well catalogue ever issued, No. 110 just off the press, mailed free.

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Bale 25 Tons a Day!

Double Your Hay Profits! Cut Down Cost of Baling!

Bale 3 tons every hour with the **mightiest double-efficiency hay press in the world!** Famous AUTO-FEDAN—simple, easy to run—only two men needed—cuts down labor cost one-third! Three stroke press—self-feed—easy draft—whips out neater and smoother bales than any other press in the world! Ask any man who owns one! Shipped on free trial to responsible parties.

Great book, "Hay Made Profitable"—secrets of 50 successful hay growers—free for the asking. Ask for catalog 42.

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Greatest capacity, easiest to operate and strongest of litter carriers. Carrier wheels are roller bearing and are swivelled in such a manner as to round a curve with perfect ease. Runs on our celebrated "Columbian" track, which can be bent to any curve, and will sustain any reasonable weight. The hopper is held automatically at any height and can be tripped at will of operator. Send for descriptive catalogue of carriers, hay tools, etc.

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I was helpless and bed-ridden for years from a double rupture. No truss could hold. Doctors said I would die if not operated on. I fooled them all and cured myself by a simple discovery. I will send the cure free by mail if you write for it. It cured me and has since cured thousands. It will cure you.

Fill out the coupon below and mail it to me today.

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CAPT. W. A. COLLINGS,
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Dear Sir:—Please send me free of all cost your New Discovery for the Cure of Rupture.

Name.....

Address.....

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CORN, HOGS AND CATTLE.

A WELL posted stock paper says the very foundation of agriculture is corn, cattle and hogs, and the economy of farming demands that 75 or 80 per cent of the corn crop be fed to these animals. During the last year that proportion of the crop was not disposed of in that manner. Corn was considered by many cattlemen too high in price to feed, besides there has not been the usual number of such stock to feed.

This of course slackened the demand, and diminished the quantity of corn consumed. Like conditions prevail now with a bumper crop to dispose of. It, therefore, behooves the farmers to increase the hog and cattle output by every means in their power. Quit marketing the veal calves and let the animals grow into profitable beef steers, or much needed cows to still further increase the output. This is a work which requires two or three years, and there should be no hesitation in beginning it.

The hog supply may be increased more rapidly. Keep the brood sows busy, and take good care of them. Don't be afraid that there may be too many pigs. Every pig is a money bringer. Give each one a chance to do its best. If you think there may be too many on your farm for you to handle successfully, there are other farmers, most likely in your own neighborhood, that would be glad to have your surplus at fair prices. There is sure a big corn crop to be disposed of, and we are decidedly in favor of boosting the live stock proposition.

A Few Notes

From what we have seen we are compelled to conclude that farmers are slow to learn their own animals and how to adopt the treatment given them to their needs. When a team works its feed should not be bulky—more grain and less hay. When it is idle increase the hay and diminish the grain.

Protect the animals, especially the horses and milch cows, from cold winter storms. Comfort is necessary to their health and the work that is expected of them. It is cruel, and bad economy also, to ride or drive a horse on a cold day until the animal is warm and then stop it and allow it to stand unprotected from the cold. Don't ask what a blanket costs; get one.

See that the animals have plenty of salt at regular intervals. Their nature requires it. And this is true of some animals that are seldom given salt at all; hogs, for instance. Some farmers keep salt in a sheltered place where the animals can have free access to it. It is a good plan.

If you are expecting pigs, or any other young thing, don't forget that you are expecting winter weather also. Save everything of value, and do whatever is necessary to that end.

Don't forget that both milk and butter find better sales, and usually at better prices, in winter than in summer, and that cows properly fed and comfortably housed, will yield as much in winter as in summer. We need not suggest the profitable thing to do.

A YEAR'S TEST

Every housekeeper should send for the new Kalamazoo Stove Co.'s catalogue No. 290. It describes in detail the 30 Days' Free Trial, and 360 Days' Approval Test plan of this company to place their stoves in the homes of our readers. Write them at Kalamazoo, Mich.

Nothing is more useful on a farm than good gates that stand up well, are easy to operate, and which are not always coming to pieces. If added to this one gets a gate that is what one might call automatic in opening and closing, that is, easily accessible from buggy seat or horseback, than one has about all that can be desired in gates. The Thorpe Gate Co., Wapella, Ill., manufacture a gate that answers all these specifications, and right now they are making a special offer to our readers. Write them.

Not Worth Much

"I suppose every man has his price," remarked the astute statesman.

"Yes," replied an old farmer in the crowd," and there wouldn't have to be much borryin' if they could all be bought at what they are worth."

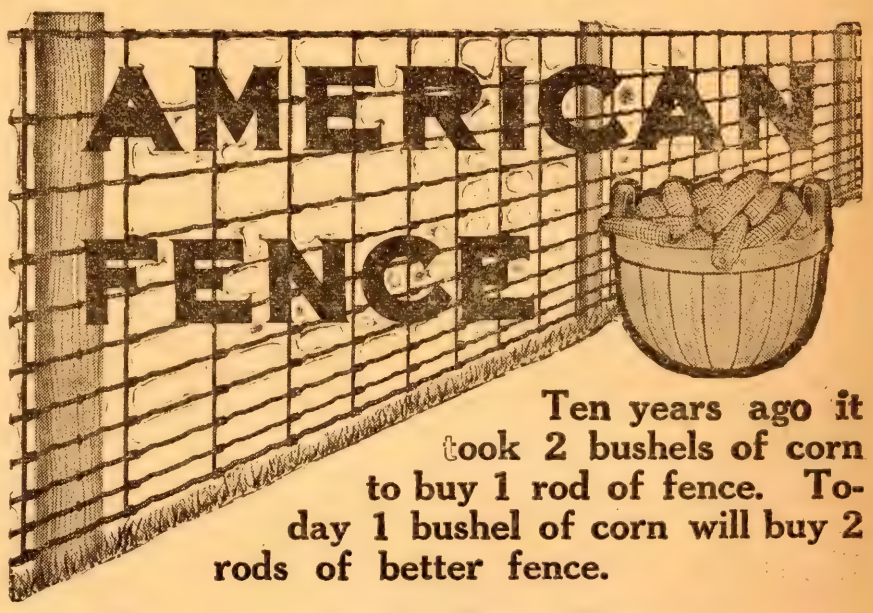
She Was Busy

She had been bad, and was shut up in the dark closet. After several minutes her mother gently opened the door.

"What are you doing now, dear?"

"I thpit on your new dress; an' nen I thpit on your new hat; an' now I'm waitin' for more thpit to come so I tan thpit on your new parasol."

Higher Cost of Living Does not Include Fence



Ten years ago it took 2 bushels of corn to buy 1 rod of fence. Today 1 bushel of corn will buy 2 rods of better fence.

Price Low—Quality Better Than Ever

Within ten years farm products have greatly advanced in market value while the price of woven wire fence has been reduced. These are the reasons: Newer and improved methods of digging the ore, shipping to the furnaces, melting into steel and making into finished products are in force. Ten years ago operations were on a small scale. Today the plan of operation is vast. The manufacturer is able to deliver the finished goods quickly, of better quality and at a lower price.

American fence is made better than ever. It is a thoroughly galvanized square mesh fence of weight, strength and durability. Large wires are used and the whole fabric is woven together with the American hinged joint (patented)—the most substantial and flexible union possible. Both wires are positively locked and firmly held against side slip and yet are free to act like a hinge in yielding to pressure, returning quickly to place without bending or injuring the metal.

Dealers Everywhere Stocks of American Fence are carried in every place where farm supplies are sold. The Fence is shipped to these points in carload lots, thereby securing the cheapest transportation, and the saving in freight thus made enables it to be sold at the lowest prices. Look for the American Fence dealer and get the substantial advantages he is enabled to offer. He is there to serve the purchaser in person, offer the variety of selection and save the buyer money in many ways.

FRANK BAACKES, Vice-President and General Sales Agent

American Steel & Wire Company

Chicago **New York** **Denver** **San Francisco**

Send for copy of "American Fence News," profusely illustrated, devoted to the interests of farmers and showing how fence may be employed to enhance the earning power of a farm. Furnished free upon application.

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MONEY IN POULTRY and SQUABS Start small: Grow BIG. Foy's big book tells how. Describes World's largest pure-bred Poultry Farm; gives great mass of poultry information. Lowest prices on fowls, eggs, incubators, brooders. Mailed 4c. F. FOY, Box 45, Des Moines, Ia.

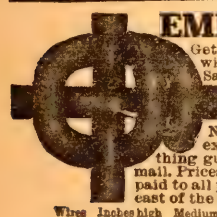


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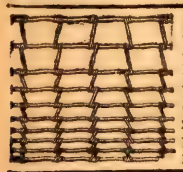
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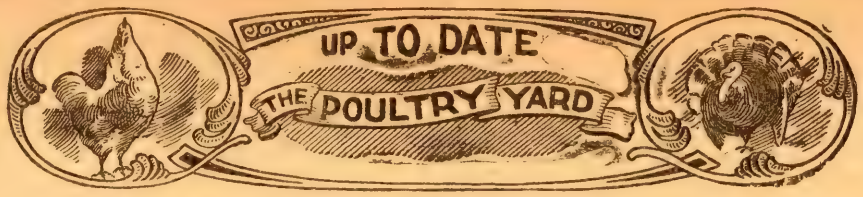
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How Aunt Martha Does

Aunt Martha loves her girls and boys,
And dresses them in best of style,
For nothing she so much enjoys
As keeping home bright all the while.
Her source of income, all may know,
Lies just inside the poultry gate;
But how to get best prices, though,
She learns from reading UP-TO-DATE.

POULTRY FOR MEAT AND EGGS

DIVERSIFIED farming is now almost universally considered the safest. It is not best to depend upon a single crop where so many crops may be grown successfully. The same theory holds good in poultry raising. There are two principal sources of profit in poultry—meat and eggs—and since the best meat producers are not the best egg producers, and the best egg producers are not the most profitable meat producers, the theory of diversified farming points to at least two varieties of poultry even on the farm. There are what are called all-purpose fowls, as there are all purpose cows, but the supreme excellence is found in concentration of the special excellencies. The American breeds, the Plymouth Rocks and Wyandottes, are good layers and good meat producers, but they are not the best. The best layers are two small to depend upon for meat. Their meat is good, but there is not enough of it. of these fowls the Leghorns and Minorcas are, perhaps, the best representatives. Of each of these breeds there are several varieties, so whichever is chosen there is plenty of latitude for choice of varieties.

The greatest meat producers are the large Asiatics. The Brahmas, Cochins and Langshans are good representatives of this class. Some of them are fairly good layers, but if eggs are the main object the smaller breeds excel them.

The point we desire to impress is that the most profitable poultry culture is to direct the effort to both eggs and meat, and to do that most successfully there should be two breeds, one of the best layers and one of the best meat producers. This is not so difficult to manage as the inexperienced suppose. It is not necessary to keep the fowls separate, only enough to produce the eggs for hatching—a breeding pen of each variety, accompanied by one rooster each. The young chicks may run together, and so may the general flock. And contrary to the usual practice, it is not necessary for roosters to run with the mere layers, the hens that are to produce eggs only for market.

If a prominent purpose is to raise chicks for market, as it should be in this kind of poultry farming, the principle setting will be of the meat producing breed. Hence that breeding pen must be larger than the other. In fact, there should be no surplus hens of the large breed. There need be only enough to produce the eggs required for setting and for mothers, as the layers are not considered good setters or mothers. Of the layers the only need for a breeding pen, or for eggs for hatching, is to maintain the supply of layers.

Another word concerning the all-purpose breeds is not out of place, as many prefer their fowls should all run at large. To the two breeds named above may be added the Orpingtons and Rhode Island Reds, both of which with the Wyandottes and Plymouth Rocks, combine meat and egg production in such a way as to make profitable poultry for both of these purposes.

SCALEY LEGS AND ROUP

THESE are two very prevalent ailments in the poultry yard. Scaley legs is an unsightly rough, scaley appearance on the toes and legs. It is caused by a very minute organism, and it yields readily to a few applications of sulphur, lard and coal oil, applied warm, and in such a way as to reach every part of the scales and all the crevaces between.

It is not very much out of the way to say that roup is a bad cold. If it were a human affected it would no doubt be called la grippe, though it affects the subject in a somewhat different way, a part of the symptoms being an inflamed swelling and mattering of the eyes. It is contracted much as is a cold, and is likely to be troublesome in a house that is damp and admits of drafts upon the fowls. Anointing with almost any kind of salve will generally relieve the swelling, but it is better to prevent the disease than to cure it. Shut off the drafts, and keep the hen house dry and clean.

We remember a young wife and a growing family, on an old and what had been a badly neglected farm. Never did a woman and children try harder to make something to help get ahead. The poultry was their main dependence. So many things needed attention and improvements on the old farm that poultry conveniences were somewhat neglected. Farmers, don't make that error. See that the poultry is arranged for first. It is the most direct and readiest source of income; and it is that which most encourages the family.

Was Afraid It Did

"Well, Jim, old friend, what do you think of this for a baby? Do you think it looks like its proud papa?"

"Bill, you must excuse me. I honestly hate to say it; but I must tell the truth; I really think it does—a little, but I don't want the baby to know I said so."

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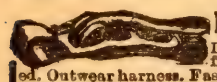
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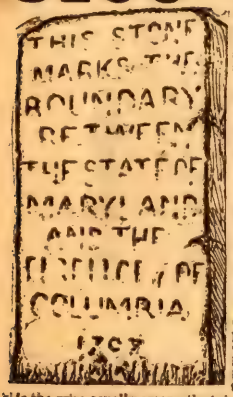
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$100 PRIZE


A weather beaten old stone marker of which this is a picture was lately found near Washington. See if you are smart enough to tell what it says. $100 in cash is to be given for correct answers. This is a sample of the many original and instructive competitions the Pathfinder conducts. Our contests are not of the silly sort, but are made to interest people of brains, such as would appreciate the Pathfinder—which is everywhere called the brightest and best family weekly there is. Published at the Nation's Capital; gives gist of world's news and everything you want to know; all in a nutshell; non-partisan, reliable, entertaining—THE paper for the home. Send your answer to the puzzle at once, inclosing 25 cents for trial 13 weeks' subscription and you will call it the best investment of your life. Contest closes Dec. 15, 1910; prizes awarded promptly and fairly. To the person who correctly decipers this inscription we will pay $100 in cash. If there should be more than one correct answer we will divide the prize equally among the tying contestants. You mustn't miss this chance Pathfinder 13 weeks 25c and Cash Prize if reading is correct. Address: The Pathfinder, Box 33, Washington, D. C.

GERTRUDE'S LOVER

Gertrude Desbrough, daughter of old Merton Desbrough, the coal-oil millionaire, was attractive in more ways than one. To begin with, she possessed an enviable share of good looks and a generous supply of common sense. Naturally there were not lacking suitors who cast longing eyes on the heiress of the Desbrough millions, and of these Lionel Wayne and Hugh Winslow were the most favored—Gertrude showing perhaps a slight partiality for the former.

Wayne was a ready talker, always entertaining and handsome in what some people considered a rather effeminate way, while Winslow was reserved, self-possessed and built on sterner lines than his rival. Both moved in the best social circles, but neither was overburdened with money. The question that troubled Gertrude was whether it was her wealth or herself which formed the principal attraction for her admirers. She cared nothing for the fact that neither of the young men in question was rich in this world's goods, but she cared a great deal to know whether their affection was sincere or assumed.

In her heart she felt that Wayne had made a deeper impression on her than Winslow; he was more outspoken and dashing in manner than his reserved rival, whose attitude toward Gertrude was almost reverential. Still she hesitated, for one of her most intimate friends had dropped a hint in her hearing to the effect that Wayne was an unscrupulous, calculating fortune hunter. She did not believe the assertion, but it troubled her nevertheless and left her in a doubting frame of mind. She had no mother to consult in the emergency, for Mrs. Desbrough had died when Gertrude was in her infancy and she shrank from asking her father's advice in the matter.

But an event was scheduled to occur which Gertrude had never counted upon. To all outer appearances her father had long ago ceased to participate actively in the strife of the business world and was supposed to be living a life of luxurious ease, regardless of the fluctuations of the stock market; so great was the girl's surprise and consternation one night when Merton Desbrough gravely informed her that a series of unlucky speculations had resulted in the loss of his large fortune, and that they would be obliged to retire from the world of society wherein she had so long reigned as an acknowledged belle and heiress. Yet when the first shock of the announcement had passed away Gertrude's pride and courage came to the rescue and she threw her arms around her father's neck and kissed him tenderly.

"Never mind me, papa," she said, bravely; "as long as we have each other it doesn't matter. We will be just as comfortable in a quiet little home as in this big house with all its grand furnishings, and I can go to work—the same as lots of other girls do—and help you."

"I don't think that will be necessary, Gertie; we'll probably have enough to live on," said her father, but a look of intense gratification shone in his eyes as he spoke. Gertrude was true to the estimate he had formed of her character; it was evident that the unlooked for termination of her butterfly existence did not daunt the girl, and Merton Desborough had never felt prouder of his daughter than at that moment.

Gertrude did not abandon her resolution of joining the humble ranks of the wage earners. No sooner were they settled in the narrow confines of the little flat which her father selected as their future residence than she started out in search of work, and the following week saw her installed at a switch-board in the employ of the telephone company, fulfilling the duties of an operator. Her father smiled when she triumphantly informed him of her success, but did not try to dissuade her. The battle of life had commenced for Gertrude in grim earnest.

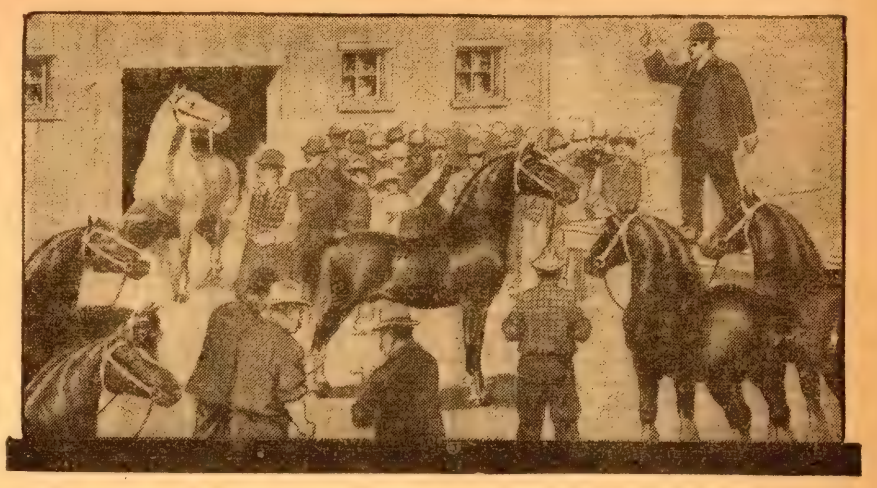
It must be confessed that after the novelty of the thing had worn off there were times when she regretted the leisure hours and luxuries which had once been hers. But she did not complain, and stuck to her task heroically, although at this juncture she began to realize how very few friends the average person can rely upon. Her acquaintances in bygone days had been legion in number, but with the change in her social position they became wonderfully scarce. Three or four of her girlhood chums remained faithful to the deposed princess of their merry circle and loyally expressed their admiration of the manner in which she confronted her adverse destiny, but they were shining exceptions to the general rule.

Perhaps the sharpest sting of all was contained in the knowledge that Lionel Wayne was utterly unworty of the good opinion she once held for him. From the day when he first learned of her father's financial ruin that astute gentleman had kept carefully out of sight, and never even came forward to express his sympathy. Yet Gertrude, in spite of the disappointment which the revelation of his true character inflicted upon her sensitive nature, felt thankful that she had found him out in time to save herself from the bitterness of a loveless marriage. Whether Winslow would prove equally faithless remained to be seen. Business had summoned him to California before the downfall of the Desboroughs had become public, and he was still absent from the city. Gertrude's belief in mankind had been severely shattered by her experience, and she hardly knew what to hope for when he returned.

"Time will show," she said with a wise shake of her little head, and addressed herself anew to the fight for existence.

A month had passed away, and Gertrude, weary from a hard day's work, was reclining on a sofa in the parlor of their flat,

(Continued on page 15)



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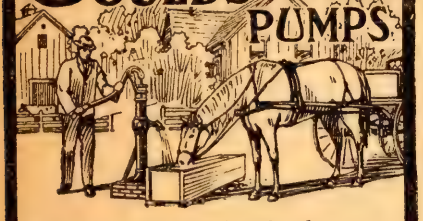
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GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

YOUR THANKSGIVING AND OURS

Now, that the growing season is over, and the crops from the orchard and garden all gathered, stored, and many marketed, do **you not find many things for which to be thankful?** Have you expressed your thanks in tangible form? I desire to thank my readers for the cordial support they have given me in my work in this DEPARTMENT, and promise greater results, if possible for future issues. I will be sure of your appreciation if you will send it TODAY in the form of a list of five new subscribers for a year, at 20c each, for which I thank you in advance.

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

PUBLICATIONS RECEIVED

U. S. DEPARTMENT OF AGRICULTURE, Washington, D. C. *"Tobacco in Pennsylvania,"* an excellent bulletin on this subject. There are many localities in the section North of Mason's and Dixon's Line to the Canada line is which just as good tobacco can be grown as in Lancaster Co., Penna.

NORTH CAROLINA EXPERIMENT STATION, West Raleigh, N. C., *"Fig Culture In North Carolina,"* and *"Self-sterility of Muscadine Grapes."* These are excellent bulletins and should be in the hands of all our gardeners and fruit men in the south eastern states.

SPECIAL NOTICE

I desire to call attention to the fact that the issue of this paper for Jan. 1, 1911 will be the *IMPLEMENT NUMBER*, in which I will lay before my readers information about *all the new things* which have proven of value *in the way of implements* for use in the garden and orchard. My friends who are in need of and are contemplating the purchase of new garden or orchard implements are requested to *hold their orders until they see this issue*, as it will have the cream of the offerings of all the first class dealers, and none which have not made good. Tell your neighbors about it, and they will want the paper—it is but 50 cents for two years.

SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

THE WINTER GARDEN

I hope that my readers are not among those who stop garden work when the frost kills down the foliage outside; for just then it is time to get matters in shape to commence the most interesting kind of gardening, called "winter gardening," which is done under cover, either in a green-house, cold-frame, hot-bed, or even in a vacant room.

I wonder when the average farm-gardener will awaken to the possibilities of the small green-house, one of which should be part of the fixtures of every farm which makes any specialty of marketing garden products. Those of you who lay away every fall a line of products to be marketed from week to week among your customers should learn the advantage which will accrue to you from having with you each time you go to your market a few fresh, succulent, vegetables to offer at EQUITY prices to your customers, such as lettuce, radishes, green onions, and parsley.

The small cost of a greenhouse large enough in which to grow to perfection any or all of the above winter vegetables, will astonish the inquirer, when compared with the possibilities as to results in dollars and cents, the cost varying according to the materials used, but as they are readily constructed by the farmers themselves, if they have carpentering ability enough to handle saw, hatchet, and plane, the outlay in cash is practically that for the materials, and much of that may be traded in.

But when considering the matter of building a green-house, hot-bed or cold-frame, let me urge upon you to consider the matter of using concrete made from the best Portland cement. If you have no lime-stone ledges, or sand pits, on your farm there is generally a place in the neighborhood where these can be gotten at small cost, and the principal expense then is for the cement. (Gravel will do instead of lime-stone.)

If you will write to the Secretary of Agriculture, Washington, D. C., he will send you a bulletin concerning the use of cement on the farm which will give you the necessary instructions to build almost anything desired from this material. With a little study and care you can make your own green-house, hot-bed or cold-frame from concrete. For a farm green-house the sash can be bought at cheap rates from one of the house-wrecking companies advertised in this paper, of any of the standard sizes, which are generally six by six, or three by six feet.

There is yet plenty of time for any one who desires to get into this winter's trade to build and equip a small green-house, hot-bed or cold-frame, as the season does not begin until after the holidays—about the middle of January — when the first crops of lettuce, will catch the trade in the interval between the holiday and Easter seasons of the Florida growers.

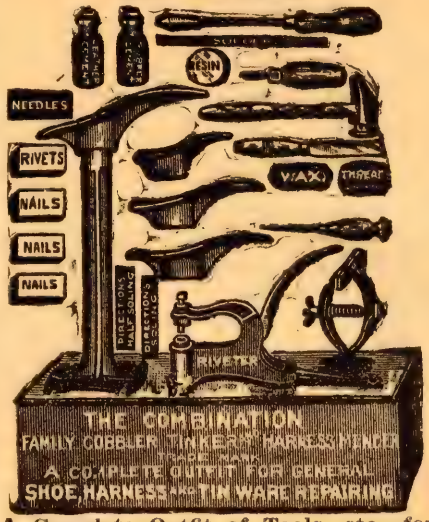
Even if you do not desire to build a green-house in order to grow for the market, you should have a small one for your own use. Why should the farmer use dried and canned vegetables all winter, when he has a hundred times more time and opportunity to grow fresh ones in winter, than he has in summer when the general work of the farm and garden rushes things continuously?

The farmer needs this addition to his diet; his wife and the growing children need it. I was at a hotel table in a nearby city several weeks ago, at which sat a well-known farmer of my county, with his wife and daughter of fourteen. When the dinner was brought to them, the girl gave one delighted look, and whispered to her mother: "Oh, Mamma; look! Lettuce at this time of the year! Isn't it lovely!" What a commentary on that farmer, when his child would greet with delight that which should be on every farmer's table as a steady diet. And yet how many farmer's families are any better off? Whose fault is it?

Another reason for a small green-house on every farm is: it will enable you to earn a tidy sum every year by growing vegetable and flower plants to supply your neighborhood, and for your own garden, as well as to market the surplus of such kinds as geraniums, verbeans, begonias, petunias, and others in three inch pots among your regular customers.

Have you ever tried taking to town with you a few blooming red-geraniums, in three inch pots, when you make your weekly trips with apples, potatoes, onions and other truck products? Just try it on, and see how quickly they will sell, if properly grown, at 25c each, pot and all. The cost to you will be about 8c. Then there is the pleasure of working among the flowers, at which the young folks

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become very expert after a short time.

The best garden assistant I ever had was a boy who I took into my garden at the age of twelve. His mind was a blank as far as gardening was concerned. At the age of fifteen I was compelled to put him in charge owing to my illness, and he "bossed" that garden a whole season, and it was the best season it ever had. I hope the above remarks will bear fruit, and later on I am going to give instructions how to start and run successfully a small green-house, hot-bed or cold-frame. Build one now.

STORING WINTER FRUITS AND VEGETABLES

On almost every farm there is some provision for the storing of the winter fruits and vegetables, but, excepting in those cases in which there are regular root-cellars, the means at hand are generally very crude, and do not accomplish perfectly the purpose for which intended. Of course, where there is a supply of ice available, every farm should have an ice-house, in which there should be several small cold-storage rooms, in which the fruits and vegetables can be stored, as well as the dairy products kept. How many farms with an abundant ice supply at hand have such cold-storage plants? Few indeed! But, if for any reason it is not possible to have a root cellar, ice house, or dark, cold cellar, something can be devised which will better answer the purpose than the sugar barrel sunk in the ground at an angle of forty-five degrees.

The purpose in storing apples is to keep them in as good condition as possible until they can be used or marketed. To accomplish this purpose they must be kept from the light and at a temperature in which evaporation from the fruits or vegetables will be checked, as well as being kept from freezing. It is held by chemists that the light has a deleterious effect on most fruits and vegetables, hence they are kept in the dark. I do not mean that the light affects their eating quality, but that it hastens decomposition.

Since the advent of cheap concrete there is no use of any one using barrels, boxes or pits, dug in the ground, for fruit and vegetable storage. Whatever you use of this nature, make it of concrete, and the things stored in it will keep better.

WINTER PRUNING OF SHRUBS

The shrubs on the lawn, and in the home-yard, such as the althea, hydrangea paniculata grandiflora, and any others which bloom on the next season's wood, as well as roses of the hardy perennial type, do best when pruned during severe freezing weather, when the least amount of sap is running. My practice is to do this during the first hard freezing weather in December, even if there be now on the ground, as the shrubs will respond correspondingly next season.

But do not make the mistake of pruning the shrubs which bloom on the wood grown the past season, such as the lilac, and Crimson Rambler rose, or you will simply be cutting away the bloom buds. The hybrid-tea roses, where they are hardy enough to be allowed to remain out-doors should be cut back in winter, as well as all climbers but the Ramblers.

This is also the time in which to cut back the large-flowering clematis, the clematis paniculata, and the Virginia creeper. Where the two former are grown to a porch, cut them down to the edge of the porch floor; if the latter is grown to a porch "espalier" style, merely cut back to the main shoots each winter.

There is a good reason for thus growing the various types of clematis. If merely cut off at the top of the porch, as is often done, as the bloom next summer is all on the next summer's growth, it will all be at the top; but if cut back to the porch floor, it will be covered with bloom from the floor up, if the tip is cut off as soon as it reaches the roof.

The mulching of these vines should not be done until in December, when the ground is frozen solid, and it will be better if there be an inch of snow under the mulch, which should consist of six inches of strawey manure, well trodden down. This will prevent evaporation of the moisture under the mulch in case of a windy open winter, and consequent freezing of the top layer of fibrous roots.

Do not wrap the stems of these climbing vines, but let them open to the air. Look at them occasionally during the winter after heavy snows so that the snow does not lodge on them, to afterward form into ice and damage them.

EARLY WINTER SPRAYING

The spraying which began in Novembers, and which may have been interrupted by any one of a number of other duties may be continued on any pleasant day until the winter sets in for good. It should be understood that spraying must not be done when the temperature is below freezing, and on mild days it is best to do it in the morning, allowing the afternoon for drying. A windy day when the temperature is mild will dry the trees sufficiently that they will not freeze at night.

LAY OUT THE WINTER PRUNING

The up-to-date fruit grower will go over his orchard at the beginning of winter and with a chart of the trees before him lay out the pruning that is needed to be done. This is not difficult to do, and in the hands of an intelligent helper, it is as good as the presence of the owner, in the latter's absence. It is best to have standard terms in which to speak of the work of pruning, such as: "Cutting out the leading shoot;" "Trim the outside lateral buds," etc. No matter what language you use, adopt it as the standard of your orchard, and always use it when speaking to your men, and they can take your pruning chart and do good work. Of course it is better if you can take your leading helper with you when you make the survey of the orchard, but that is not always possible.

If you are working with a young orchard do not let any one lead in it, unless you know him to be an expert in the kind of pruning you desire. If he has worked only "central leader" trees, do not allow his to attempt your trees if they are to be grown by the "open head" system. In due time I will give symposiums of both of these systems for the benefit of new and old fruit-growers, ample enough to enable any intelligent person to work them out.

This is a good time to take a look around and see if you have everything that will be needed for the pruning campaign. If you have a complete outfit, see that they are in good shape, and as sharp as they dare be, and do not forget a pot of pure white-lead and a good brush for coating the wounds left by the knife and the saw.

In some parts of the east they have been using the towers on the power spraying outfits for pruning purposes, and they say they are just the thing for the outside limbs. Why not? they can be put in any position under the tree, and are better to work on than a ladder.

WHERE ARE THE GARDEN AND ORCHARD IMPLEMENTS?

This is a question that quite a lot of otherwise careful farmers need to ask themselves—are the implements under cover, and cleaned, ready for future service? Are all the implements which go to make up the spraying outfit under cover and cleaned from all sediment the result of last season's use? Were the hoes, rakes, shovels and spades cleaned, and oiled, and put in a dry place against the needs of next spring? How about the garden cultivators, and plows? I hope that my fears are groundless, but on some trips through the country as late as the middle of November I saw many of these out in the open, already covered with rust.

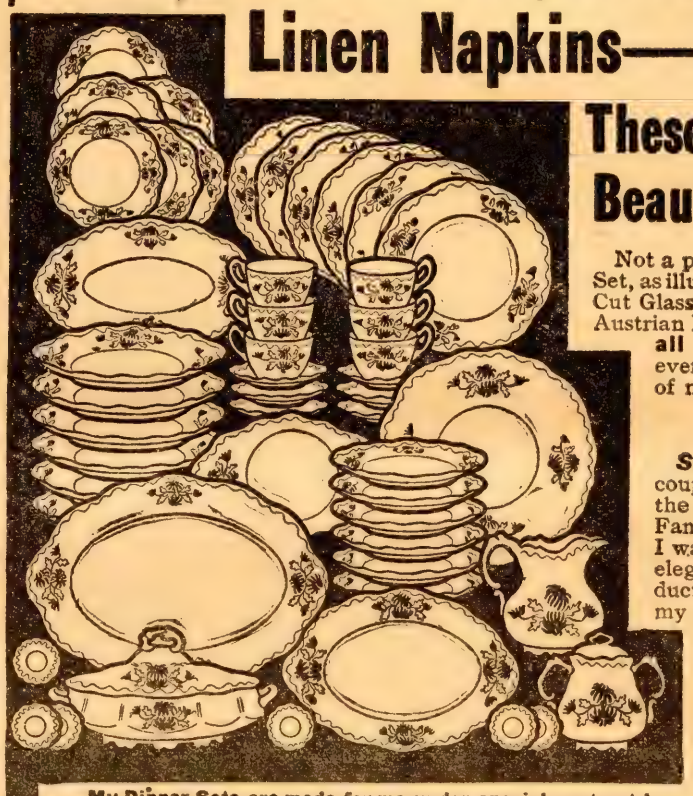
H. W. BUCKBEE, Rockford, Ill. Catalogue of bulbs for fall planting. It is not too late to order a supply as they can be planted anytime in December when the ground is open. The members of every farm home should enjoy the beautiful, early flowers from bulbs planted this fall and the advice "better late than never" is very good in this case. Send for the catalogue if you have not secured your bulbs yet.

A HINT FOR CHRISTMAS

If you desire to have a fine display of wild flowers in bloom, for Christmas, go to the woods and locate a dozen stalks of *Hepatica* (Anemone hepatica). Dig them up carefully, after scraping the earth from the roots, and pack them with woods-soil in a dish, or pan, with drainage. Pack moss over the top, as they must not be allowed to dry out. Keep the dish in a cool place until a week before Christmas, when, if brought into the warm living room window (out of the direct rays of the sun) they will be in full bloom for Christmas.

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My Dinner Sets are made for me under special contract by the world renowned "Sebring" Potteries. Every piece bears their stamp and trade imprint, thus guaranteeing absolutely the quality of the China, and proving that you are getting the very best that can be made.

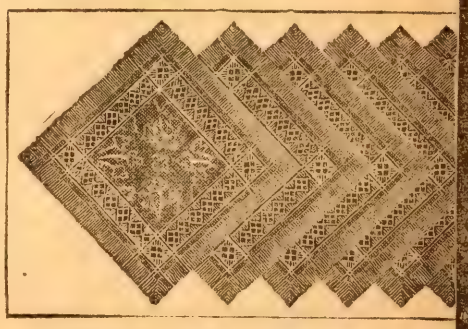
Six Coin Silver Teaspoons (Sterling Plated)



Full size and extra weight. These are the finest articles of the kind that I could find and the pattern selected is the famous "Oriental" design. They are fully guaranteed and will show up beautifully on your table with my dinner set. I give them absolutely free together with the set of dishes, and other presents.

Half a Dozen 15-inch, White Damask Table Napkins

of Genuine Austrian Linen with beautiful interwoven fringe border. These napkins are of the prettiest design you ever saw and a full set of six will be given together with the dishes, spoons and glassware.



FREE Extra Prize



Six Sparkling American Pres-Cut Glass Tumblers

in the popular "Buzz Star" and "Sunburst" pattern, together with large half-gallon Tankard to match, made of diamond crystal glass that never loses its scintillating brilliancy. This set is worthy a place on the finest dining table in the land and will be given **separate** from the other presents, absolutely **Free** just for answering this ad. promptly and getting started taking orders. They will not cost you one cent and you don't even have to distribute my pictures to get them. Send your name at once.

Read this Carefully

Don't make any mistake. Don't think that you are only going to get a part of the goods described in this announcement. **I want to repeat just as emphatically as I can that I will give everything that I have described.**

CUT OR TEAR OFF ON THIS LINE

GEO. PELLERIN, 144 West Ohio Street, Chicago, Ills.

Please send me the 32 Beautiful 12 Color Pictures. I will distribute them under the terms of your special Introductory offer. I want the Glass Table Set and everything else described above.

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The folder I want to send you shows all these above articles in beautiful half tones and colors.

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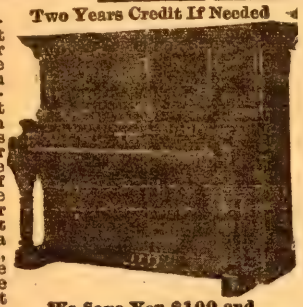
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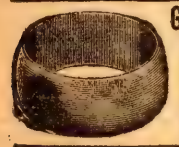
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THE HOME ON THE FARM

Far Away

Where is now the merry party I remember long ago;
Laughing 'round the friendly fireside, brightened by its ruddy glow;
Or in summer's balmy evenings, in the yard or fields at play?
They have all dispersed and wandered far Away, so far away.

Some have gone to lands far distant, and with strangers made their home;
Some upon the world-wide waters in distant regions choose to roam.
Some are gone from us forever; longer here they might not stay;
They have reached a fairer region, far away, yes, far away.

There are now but few remaining, to remind us of the past;
But they're changed as all things change here, nothing in this world can last.
Years roll on and pass forever; what is coming who can say?
Ere this closes others may be far away, so far away!

—*Adapted.*

THOUGHTS THAT COME

THE LARK IN THE MEADOW

(By John P. Steele)

It is an old story, that of the lark which made her nest in the meadow. In the old books used by the school-boys and girls of other years it had a prominent place. The lark knew that cutting the meadow would ruin her home and endangered the lives of her little ones; but she had no fears so long as the farmer depended upon others to do the work. At last, however, he decided to cut the grass himself, and the wise bird knew that then the crisis had come; she must abandon her home and save her brood. We children read the story with great interest, but we could not fully realize what it meant.

But years since then of constant contact with humanity, has enabled us to know. Opening the old, dusty book, we can now read and understand. Poor Richard's saying, made a little more comprehensive than in Franklin's terse language, teaches the same too often painfully disappointing truth. "If you would have your business done, go and do it yourself; if you would have it not done depend upon some one else to do it."

It is strange how little dependence can be placed on people. Wages will not buy faithfulness, nor will love always insure it. No matter what may be involved, nor what lack of faithfulness may cost, the trusted one too frequently cannot understand, or is unmindful of the interests of the one who trusts.

How important is the lesson of being prompt and true and faithful. When one has won the trust and confidence of another, or when one is chosen to a position where, possibly, great interests depend upon faithfulness, nothing should tempt a betrayal of the trust. There is a moral obligation that is stronger than the purchased duty, and the one who is faithful to every trust, who never betrays a confidence, who performs every duty as he believes the employer would do it, and at the time it is most important that it be done, be they duties of public office or of common labor, is the one who will hear the plandit and wear the crown of success. Do every work now, and do it right, especially if you owe it to another.

For a complete and thorough description of how the Old Dutch Oven has been moderinized, write The Imperial Steel Range Co., 325 State St, Cleveland, Ohio.

The ranges are sold on easy payments and the freight is paid. The new book referred to fully describes the modern way of saving fuel and doing better cooking. Write for it and if you mention this paper, it will be sent you free.

THESE EVENINGS

NIGHT comes much sooner than it did a few weeks ago. No longer do the long rows hold father and the boys in the fields until a late hour, and since the sun no longer feels the need of staying up to see if the work is well done, he goes to bed some hours earlier. The stock is fed and the chores are done long before they were in the summer days.

It is night out of doors, but it is bright and cheerful in the house. What are the children and young people doing? Every healthy body is growing, and every mind is expanding. The field of thought is getting broader, and the mind is constantly awakening to new problems. Much of future life depends upon their solution. God gave the sunlight to help with the work in the fields, but now He early wraps the fields in darkness, and the home within is made bright that other fields may be tilled and other crops produced—the inner fields of the human mind, the crops that bud and blossom in the soul.

How we wish all of Our Up-to-Date Young People in the farm homes, could see in these evenings the glorious opportunities there are for advancement, that they might drink deep of the inspirations of the hour, and cultivate those aspirations that lead to higher, nobler, better lives. We would not cut out fun and amusement, but with reading, thought and sweeter communion would we fill the time too often given to things little and trifling. From homes on the farm have come some of our greatest men and women, but they came from homes where the young folks read and thought and hungered for improvements, and where the parents had aspirations for the moral goodness and intellectual greatness of their children.

Some White Men, Too

A negro boy was riding a horse so poor it staggered as it walked.

"Why don't you feed that horse better, and put more flesh on it?" demanded a gentleman he met.

"Scuse me, boss," said the darkey, "but don' you see he couldn't carry another pound?"

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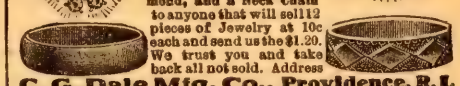


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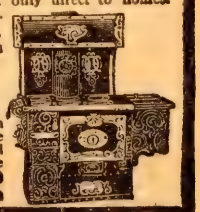
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This watch is a beauty of a timepiece with several **new features** in watch making. **Thin model, size 16,** (about 1-2 larger than picture) **stem wind, stem set,** bright nickel case with gold-plated winding stem. White dial has Arabic numerals printed in gold on a maroon background decorated with silver, all inside a circle of gold and silver stars and dots. Case has new **double back,** protecting works from accident and dust. Each watch thoroughly **tested at factory** and just the watch to wear every day in the year and know what time it is. Just as good a time keeper as a very expensive watch, will wear for years and it **costs you nothing.**

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I will give you this fine watch and fob with your initial for just a few minutes of your time. New and easy plan, sure to win. Many friends have earned it in a half hour. Just send me your name and 4cts. postage for full free outfit of Post Cards, etc.

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This little book is but 6½ inches long oy 3¾ inches wide (pocket-size) but is *indispensable to every farmer.* It is unquestionably the most complete and convenient work on *figures,* for *practical use,* ever published. It contains nearly all the *short cuts* known. Hundreds of *simple rules* and *original methods* for "Easy and Rapid Calculation, and millions of *accurate answers.* It has 160 pages printed from new plates on a superior quality of white paper. The cloth binding is in a fine quality of book-cloth with turned-in edges, and title in black ink.

This new Calculator positively *calculates*—not merely a limited number of easy examples, but every example or problem that is likely to occur on the farm, in the store, bank, shop or factory. *It will Prevent Mistakes, Relieve the Mind, SAVE Labor, Time, Money, and Do Your Figuring in the Twinkling of an Eye.*

The Grain Dealer Surprised

Farmer—Isn't No. 2 corn worth more than 35c?

Grain Dealer—That is really the market price today, but I will make it 35½c. Load weighs 2720 lbs.

Farmer—Opening Calculator, amounts to $17.24; had on 48 bushels and 57 hundredths (page 13).

Grain Dealer—Well, I declare! whose lightening Calculator is that?

Farmer—Why, Ropp's of course—the NEW improved edition. It comes handy indeed; couldn't get along without it.

Wide-Awake Farmer Saves $10

Stock Buyer—I'll lose money on the Hogs at $4.52½ unless the market improves tomorrow. The weight is 3895 lbs. Here is your check for $166.25.

Farmer—There surely is a mistake somewhere. Ropp's New Calculator makes $176.25.

Stock Buyer—After figuring it over carefully—Correct, here is a $10 bill with your check. Pardon my mistake.

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THANKSGIVING

YES, we've had another Thanksgiving, and it is just as well to think of it and talk about it afterwards as before. Were you really thankful; and how did you manifest your thankfulness? Did you try to be happy yourself and to make everybody in the home happy? There is really very little in being thankful unless happiness is a great big part of it.

And Christmas will be here after awhile; and that will be a jolly time. We want every lamp to burn a little brighter during the evening in every farm home where UP-TO- DATE comes, and we want every face to look more cheerful, every eye have a more genial sparkle, and every word a kinder tone. Clear water never chokes up a stream, and good and cheerful thoughts never clog or obstruct a happy life. One need not be mean to have fun, nor need he be dull and gloomy and sour to be good. The boy or girl that wants to accomplish things is happy at work or at play, and has a kind and good purpose in everything.

GERTRUDE'S LOVER
(Concluded from page 11)

an open book beside her, while her father sat near, busying himself with a formidable array of papers covered with endless rows of figures. A loud knock at the door caused Gertrude to spring to her feet, and an instant later the tall form of Hugh Winslow appeared at the threshold. The color rose to the girl's face at the sight of the unexpected visitor, but Winslow gave her no time for a commonplace solution. Before she could speak her small hands were caught tightly in his strong ones and the glow of affection in his eyes told her that he was still the same stalwart and uncomplaining lover who had submitted so meekly to her caprices in the past.

"My own little girl!" he murmured, gently, and Gertrude's wealth of brown tresses rested quietly on his breast.

"You young folks seem to have settled this matter very satisfactorily between you," broke in Merton Desborough's voice. He smiled as he spoke, and Winslow grasped the ex-financier's hand and shook it warmly.

"Thank heaven for your misfortune," he said fervently; "it has gained me the heart of the dearest girl on earth. Her money was the only bar between us, Mr. Desbrough."

Merton Desborough's eyes were moist with feeling as he gazed at the speaker. "You are just the kind of a man I fancied you to be," he said, finally. "Gertrude knows by this time what valuation to put upon fair-weather friends and money-seeking suitors. And now I'll let you both into a secret. My supposed ruin was very short lived. Scarcely had we got settled down to our changed condition when a turn in the markets more than recovered my losses, and I found myself a greater power in the financial world than I had ever been before. Gertrude had proven her bravery and her love of me, so I kept the change quiet, and let matters drift. I know Gertrude had suitors, and I wanted to prove them; and I think my experiment has been a success. Above all things, I wanted her to have a husband who loved her for herself."

One of Gertrude's arms crept around her father's neck and the other rested upon Winslow's broad shoulder.

"The two people I love most in the whole wide world," she said, softly. "I am a very happy girl tonight, papa."—*New Ideas.*

An organ or piano should be in every home. It is easy to have a good new piano. You need not pay all cash—it is not necessary. Let Cornish Co., Washington, N. J. send you a guaranteed instrument on trial. Long time to pay for it. Write to this manufacturer anyway and learn how easy it will be to get a fine piano or an organ. A postal card brings information.

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Learning In School

A Sunday School teacher has a list of questions she asks in regular order every Sunday. As the boys in her class occupy the same seats, each boy gets the same question. The first question is, "Who made you?" and the first boy answers, "God made me." The second question is, "Who was the first man?" and the second boy answers, "Adam." One day the first boy was absent, and the second boy took his place. The question came as usual, "Who made you?" "Adam," promptly answered the boy. "No, no, God made you," said the teacher. "You are mistaken," replied the boy, "the fellow that God made ain't here to-day!"

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We positively give FREE a STEM WIND, STEM SET, BEAUTIFULLY ENGRAVED, Plated WATCH, equal in appearance to Solid Gold Watch, American made, guaranteed 5 years, and a beautiful Ring set with an Im. Diamond, for selling only 20 packages of beautiful high grade art post cards at 10c a package. Order 20 packages, and when sold, send us $2, and we will positively send you the Watch, Ring & Chain. WELLS MFG. CO., DEPT. 1225 CHICAGO

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At Your Home. Write today for our booklet. It tells how to learn to play Piano, Organ, Violin, Mandolin, Guitar, Banjo, etc. Beginners or advanced pupils.
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25 LOVERS' POST CARDS and NAME CARDS
The finest line ever sent out. (No two alike). Floral Mottoes, Friendship, Birthdays, Pretty Girls, Love Letters, Love Scenes, Escort, Acquaintance, Hidden Name and other new cards; also our Big Illustrated Catalogue and Premium List, all for 10 Cents.
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919 CARDS Silk Fringe, Envelope, Hidden Name and other 200 New Songs and Love Verses. 100 Rich and Racy Jokes. 1 Pack Escort and 1 Pack Acquaintance Cards, New Beau Catcher, Big Sample Book and outfit. All 2 Cents. COLUMBUS CARD CO., B 48 Columbus, Ohio.

This paper never deceived its subscribers nor ever gave them bad advice

KITCHEN SET FREE
(22 INCHES LONG)



Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort. Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

COUPON

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Spencer, Indiana.
Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

Name.....
P. O.....
St. or R. F. D..... State.....

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a CADET of Equity, and everyone that sends a NEW subscriber for one year—30 cents—will be made a PIONEER of Equity and sent a collection of twenty (20) beautiful colored and embossed post cards. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

I greet the Cadets in the beginning of this stern winter month, trusting every one of them is prepared to be happy no matter what kind of weather December may bring. To some of them it will come wearing plumes of snow though bound in fetters of ice. To others pleasant breezes will whisper of the tropics, and flowers may still be gathered in the wilds. The months tell different stories to the people of this country, and our Cadets live in its every clime, and not only so, but some of them live under other flags. Most of them are in school now, preparing for the duties and responsibilities of future life. As I pen these lines a silent prayer is offered for the success of every one.

But we want to be brought in contact with more people—we want more readers for Up-to-Date Farming, and we are depending, to some extent at least, upon the Cadets to help us get them, and thus become Pioneers of Equity. Miss Martha E. Harman, a most successful West Virginia school teacher, understands this situation, and appreciates the work Up-to-Date is doing, sends her own subscription, though three members of her family are already subscribers, and she has sent the paper to an uncle besides. Miss Harman takes a great interest in our dear little friend, Nellie Tipton, and wishes her subscription so credited as to make Nellie a Pioneer of Equity. But Nellie is already a Pioneer, she having been among the first to send in subscriptions to make her one. So Miss Harman herself becomes not only a Cadet but a Pioneer, and her goodness of heart as manifested toward unfortunate little Nellie, makes her eminently worthy of the honor. We introduce the letters this time with hers:

DEAR CADETS: I am interested in Nellie Tipton of Maryville, Tennessee. She must have her piano. We must get to work. I hope every reader of this letter will give or get 25 or 50 cents for this dear little cripple girl, who can't go from place to place as we do. We must fight it out through UP-TO-DATE, the best farm journal printed. I live on a farm in the extreme southern part of West Virginia when I am not teaching. Father owns 700 acres of land. We have very cold winters, and have a six inch snow this morning, Nov. 1. I would be glad to correspond with Cadets in the Rocky Mountain and Pacific States. Again I make an earnest appeal for little Nellie and her piano fund. We read the cadet letters in our school.—Martha E. Harman, Crumpler, W. Va.

DEAR CADETS: I am a South Dakota girl, 13 years old, and I enjoy reading UP-TO-DATE and the Cadet letters. I live on a farm, and we own six quarter sections of land, one about three miles from Eureka, and five here. I was born here, and like the country well. We live about 10 miles from town. I would like to subscribe for Up-to-Date to get Mr. Everitt's post cards, but my brother subscribed for it about 7 months ago. I have two brothers, one older and one younger than myself and three sisters all younger. Two of my sisters go to school, but we have no school now, and I do not know when we will have. I would like to get post cards from the Cadets.—Edna Kurle, Eureka, S. Dakota.

Get some one else to subscribe for Up-to-Date, Edna, and get the cards, and be a Pioneer of Equity also. Or your brother could renew for another year to begin when his present time is out.

DEAR CADETS:—Will you allow me to join your happy band? I am 5 feet 2 inches tall, weigh 108 pounds, and am 21 years of age. The principal crops of our neighborhood are corn, oats, wheat, potatoes, and tobacco. I have "strung" 25 hundred sticks of tobacco this fall. I have lived on a farm all my life, and feel perfectly satisfied, for a country life is so independent and free. I go to Sunday School nearly every Sunday, and we have preaching every alternate Sunday afternoon. I think all girls and boys should feel it their duty to go to church. I am secretary of the Sunday School at present. I think UP-TO-DATE is certainly an interesting paper; I have been a subscriber for more than a year. I would like to exchange cards with the young girls and boys. Here is a riddle: What runs through fields and fields, but breaks its neck at every fence? A path.—Amanda English, Jerusalem, Ohio.



I Invite Every Subscriber

to get his Christmas and New Years post cards from us and they will have more beautiful ones than can be obtained elsewhere.

I wish I could show each of you the actual cards, but that is impossible. To those who got post cards of us before I will say that our 1910 cards are far more beautiful. A black print cannot convey a faint idea of their beauty but I will try to describe one of our Christmas cards.

The card illustrated above has a blue ground, dark at the top shading to light blue at the bottom. The large star that you see is a golden one edged with snow. The white circle is not all white as in the print but is light blue with a ring of snow around it. The child, toys, and Christmas tree are printed in many colors. 'Back of, around and below the golden star is holly with brown stems, green leaves and bright red berries. "A Merry Christmas" is the greeting, as you can read. The border around the card, black in the print, is gold.

See our offer on page 22.

Editor.

DEAR CADETS: Here comes a West Virginia girl that enjoys reading the Cadet letters. Papa takes UP-TO-DATE FARMING, and I am always glad to see it come. I live on a farm 4½ miles from Grafton, the county seat of Taylor county. I like farm life. We do a good deal of trucking. We raised over 200 bushels of beans this season. It kept us busy while they lasted. We got from $1 to $1.25 per bushel. I have bronze hair, blue eyes, fair complexion, am 5 feet 3 inches tall, weigh 125 pounds, and am 17 years of age. There are a school house and a church house on our place, so we have but a short distance to go to school or to meeting. Our school commenced Oct. 17, but I have not started yet, as we have not all our fall work done. I like to go to school very much, and I would like to exchange post cards with some of the Cadets.—Effa E. DeMoss, Grafton, W. Va.

DEAR CADETS: I am a York State girl, and I wish to join the army of Cadets. I am 13 years old, and I live on a farm of 285 acres. We keep 39 cows, and 5 horses and two colts. I attend the Holland Patent high school, and am in the 6th grade. We take UP-TO-DATE and like it very much. I like to read the Cadet letters. I will answer all cards I receive from the Cadets.—Grace Ball, Holland Patent, N. Y.

DEAR CADETS: I am a girl 13 years old, with dark eyes and brown hair. I live on a farm of 100 acres. My sister takes UP-TO-DATE FARMING. I like it very much. My oldest brother has a motor cycle. We had strawberries from the middle of September to the 26th of October, when we ate the last. We picked 60 quarts in 4 weeks; then we picked from 2 to 4 quarts a day. Mama canned some. I would like to exchange cards with any of the Cadets or readers.—Alice M. Turner, Amboy, Ill.

That was certainly a very unusual time to have strawberries in Illinois. But this has been a peculiar season in many respects. An apple tree in front of my own door had more or less blossoms on it all through October. But that was an abnormal condition, and indicated that the tree is not healthy.

DEAR CADETS: I am 11 years old, and have light hair, blue eyes, and a light complexion, and weigh about 100 pounds. I am a farmer girl and like farm life. We live on a 160 acre farm, and have 6 cows, 4 horses, and 6 hogs; but we have no little chicks. I go 3 miles to school, and have been going for 3 years. I have a brother and a sister. I would like to receive cards from Cadets, and I promise to answer every one I receive.—Gussie Bradley, Gordon, Texas.

DEAR CADETS: I am a boy of 12 years, and live on a farm of 155 acres. We raise oats and potatoes, cotton, corn, and sorghum cane. I like farm life and I like to go fishing on the river. And I like to go to school. I like my teacher. My brother takes UP-TO-DATE, and I think it is just fine. I see you have not room to print all the letters, but I want to be a Cadet any way.—Dewy C. Clay, Marshall, Ala.

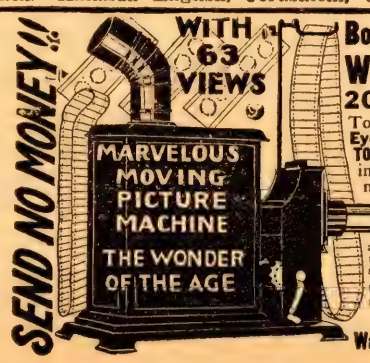
DEAR CADETS: I have been reading some very interesting letters you Cadets have written, and I would like to be one. We live on a farm of 160 acres. I am 10 years old, and go to a country school, and am in the 4th grade. My brother takes UP-TO-DATE, and I love to read the Cadet letters.—Clara Pluedeman, Mayville, Wis.

DEAR CADETS: I am 15 years old, have light hair and eyes, am 5 feet 5 inches tall, and weigh 92 pounds. We live on a farm of 100 acres, and raise corn, wheat, oats and alfalfa. We also raise fruits and vegetables. I have two brothers and one sister younger than myself. We have a Welch pony that we can ride and drive. We have a piano, and I took music lessons all summer. I go to a district school three-quarters of a mile from home. Our school has a library of 265 volumes. We milk 6 cows and have a separator. I have never lived in a city, and I think farm life is best. My father takes UP-TO-DATE, and we all think it a splendid paper. I would like to exchange cards or correspond with any of the Cadets.—Sarah Owens, Bluffton, Ohio.

DEAR CADETS: I am 14 years old, and have light hair and gray eyes. My brother has taken UP-TO-DATE for several months. I love to read the Cadet letters, and wish to become a Cadet. I have 3 brothers, but no sister. I live on a farm, and like it fine. My brother and I walk three and a half miles to a city school. I would like to receive letters and cards from the Cadets.—Ona Ulery, Olympia, Wash.

DEAR CADETS: I am 12 years old, and I live in Ohio. It is very nice here. I have a Morgan colt a year and a half old, which I raised by hand, its mother having died when it was 6 weeks old. I also have a calf and a lamb for pets this year. I also have 6 Angora goats that took premium at the Union county fair this year. I would like to exchange cards with the Cadets.—C. Floyd Mitchell, Unionville, Ctr., Ohio.

DEAR CADETS: I am 17 years old, and have light hair and brown eyes. I am



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Order today—extra prize for quick work. Big cash commission if you prefer.
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5 feet 2 inches tall and weigh 98 pounds. I live on a farm of 80 acres, 8 miles from Harrisville. I have two sisters, but no brother, and I go a mile to school. I would like to receive letters and post cards from the Cadets.—Lizzie Slaght, Harrisville, Mich.

DEAR CADETS: I am a little girl 9 years old. I have a pet cat. I go to school, and have lots of fun; we play games. Father takes UP-TO-DATE, and I think it is a fine paper. I would like to hear from all the Cadets.—Andrey Slaght, Harrisville, Mich.

DEAR CADETS: Can you make room for another Oklahoma girl? I am 12 years old, and live on a farm of 160 acres. I go to school in the 3rd grade. We take UP-TO-DATE and like it. I love to read the letters.—Frances Walker, Speermoore, Okla.

DEAR CADETS: I am 17 years old, and am working on the railroad. I would rather work in the country. I am taking UP-TO-DATE FARMING, and I like it fine. I would like to exchange cards with any of the Cadets, especially with Mary Unferferth of Indiana.—Beecher Wiley, Gardner, W. Va.

DEAR CADETS: Will you allow a little 7 year old girl to come into your circle? I go to school to Miss Labree. I help my mamma night and mornings. I have a sister 5 years old named Nina, and one 10 years old named Ruby. I had a sister 12 years old named Ruth, but she died last spring. I have two little kittens for my pets. Papa takes UP-TO-DATE, and he will be surprised when he sees this letter.—Alta B. Kepler, Hiawatha, Mich.

DEAR CADETS: I will try to be a Cadet. I have been taking UP-TO-DATE for a year. I am a boy of 15, and I live on a farm of 720 acres. We have 7 horses and milk 18 cows. I think it is nice to live on a farm. I will exchange post cards with any one of you.—Willie S. Gibson, Yelk, W. Va.

DEAR CADETS: I enjoy the letters very much, and I think UP-TO-DATE FARMING is a very nice paper. I am 14 years old, and would like to correspond with some of the Cadets. My father owns an automobile.—Albert Farmer, Waterberry, Vt.

DEAR CADETS: Here is a girl from the Lone Star State, who wants to become a Cadet of Equity. I am 16 years old, 5 feet 6 inches tall, weigh 117 pounds, and have brown hair and eyes. We moved to Texas from Illinois nearly 5 years ago, and we have a farm of 100 acres, on which we raise cotton and corn. I am picking cotton now, but I don't like it very much. Eddie Farmer wished to know how we girls like the parties. I think they are just fine.—Lola Munroe, Bowie, Texas.

DEAR CADETS: I am an Arkansas girl. I live on a farm of 316 acres. We have 4 work horses and 2 colts. We have 9 head of cattle, and about 15 hogs and 19 little pigs. We also have chickens, and geese, and peafowls. Crops are very good here. We raise nearly anything. This is a fine fruit country. I have 4 brothers all at home, and we have a jolly old time. We have an organ, and I play; and my oldest brother and I sing. I take UP-TO-DATE and think it fine. I am 18 years old, have dark blue eyes and dark brown hair. I am 5 feet 2 inches tall, and weigh 120 pounds. I love to read the Cadet letters, and so do my brothers. My birthday is February 20. Then I will be 19, and I would like to have a card shower. Besides I would like to exchange cards with the Cadets.—Lillie Frisbee, Annieville, Ark.

DEAR CADETS: Here comes another Hoosier girl that would like to become a Cadet. I am nearly 16 years old, am 5 feeth 6 inches high, and weigh 112 pounds. I live on a 144-acre farm, and father owns 80 acres besides. I have one sister at home, and two sisters and one brother married. I have an organ and can play quite well. I would like to have a piano, but father would rather buy an automobile. We have 3 horses, 2 colts, and 7 cows. Father sold 2 colts which were 6 months old to my brother, and got $125 for each of them. We take UP-TO-DATE FARMING, and think it is a fine paper. I always enjoy reading the Cadet letters, and I would like to exchange postals with some of the Cadets.—Demaris Sattison, Larwill, Ind.

Our space is about all taken now, but I must make room for this good, jolly letter from South Carolina. Leola will find Nellie Tipton's address in Miss Harman's letter.

DEAR CADETS: My mamma takes UP-TO-DATE FARMING, and we all think it a mighty fine paper. I am 18 years old, have black hair, brown eyes, and fair complexion, and weigh 124 pounds. My birthday is January 6. Who has my birthday? I've been away this summer to Glenn Springs to visit my uncle. I sure had a grand old time, and I was, oh, so sorry when I had to leave. My uncle keeps the livery stables, and one night he took ten of us young people to a tent meeting about 6 miles from the Springs, and we had a grand time going and coming. We had a jolly crowd, and sang songs all the way. I live near Columbia, the capital of South Carolina. It is quite a large town, and I go there often, for I have an uncle and an aunt living there. I have two brothers, but no sister. I am the oldest, but I don't get lonesome, because I have so many nice friends, and the people are thickly settled around here. I live on a farm and like farm life fine. We had lots of picnics this summer; there was one nearly every Saturday. But now school days are on, and I like that too. I am in the 9th grade. I heard about Nellie Tipton. I feel so sorry for her, and will send her some post cards of my State. Well I'm sleepy, and will close, asking all the Cadets to send me a card, and I will answer all. I would like to correspond with Jesse Fultz of Sulphur Springs, Texas. I have an aunt in Texas. —Leola Mathias, New Brookland, S. C.

Goodbye, girls and boys; we have reached the end of our visit for this time. I wish you all another happy two weeks, and I would be glad to enroll a great many Pioneers as well as Cadets before the next paper is printed.

USE THE COUPON

Declaration—Equity is equality of rights, privileges and opportunities. I am in favor of Equity in all the relations of life. Therefore, I want to become a PIONEER of Equity and send one new subscriber to UP-TO-DATE FARMING and 30 cents to pay for it. Please send me the reward of twenty (20) post cards as offered.

My Name .....

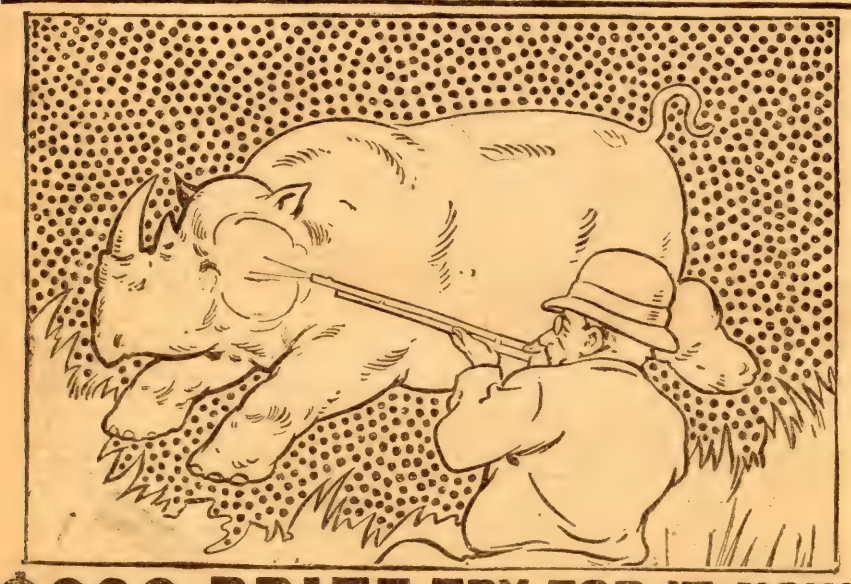
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TRAPPERS GUIDE FREE

Weil Bros. & Co., the old established Fur House, Box 29, Fort Wayne, Ind., begin their season's advertising with us last issue. It would pay readers of this paper to look up their advertisement and get their new price list, No. C C, and free Trapper's Guide, which they send without charge to all who enquire. They are offering some special prizes to Hunters and Trappers which are fully explained in their free circular. Write for it.



$300 PRIZE TRY FOR IT NOW

IT MEANS $300 FOR SOME ONE!

The above is a very good representation of a hunter in the Jungles of Africa. He is trying hard to shoot the big rhinocerous, and has shot a great many bullets without success. None of these bullets have hit the rhino. Each bullet is represented by a dot. Now what you are to do to earn our $300 PRIZE is to count the number of dots that appear in the above picture. Can you do it? If you can count these dots accurately and send us the correct count you can win the $300 PRIZE which we offer to the one who counts these dots correctly. You might just as well win the prize as the next one. Write out your answer and send it to us today with 25 cents for a year's subscription to Everyday Life, our big illustrated monthly magazine that gives you live, up-to-date stories, miscellaneous matter, fine departments, splendid serials, etc. Send us your answer to this puzzle at once, enclosing 25 cents Everyday Life for One Year, and you will find it the best investment you ever made. Contest will close Dec. 30, 1910, prizes paid at once. To the person who sends correct count we will pay $300. If there is more than one correct count, we will divide the prize equally between the contestants so tying. Every correct count gets a cash prize. Everyday Life one year, only 25c, and correct count brings the prize. EVERYDAY LIFE, DEPT. 219, CHICAGO, ILL.

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This is a special advertising offer made to introduce our new "Wonder" telescope into every home. Every man, woman and child will get pleasure and profit from one of these big telescopes. Heretofore telescopes of this size have sold for $5 to $8. This is an opportunity that seldom comes to get a really first class guaranteed instrument for a mere trifle of cost. Just think only $1.00. You can't beat it.



A Kansas Farmer Counting Stock Twenty Miles Away

Positively such a good telescope never sold for this price before. These telescopes are made by one of the largest manufacturers of Europe. **It measures closed 12 inches and opens out 3½ feet long,** in five sections, circumference 6 inches. They are brass-bound, brass safety cap on each end to exclude the dust, etc., with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. No farmer should be without one. Objects miles away are brought to view with astonishing clearness.

The "Wonder" Telescope can also be used as a microscope. Complete instructions on the use and care of telescopes with each order. Anyone can use it. Nothing more interesting.

Barrels of Fun Entertaining Your Friends Day or Night

See the stars and moon. Study objects at a distance. Each instrument guaranteed to please or your money will be refunded.

Don't take our word for it. Read the unsolicited testimonials. Write these people if you want to. Thousands have been sold and thousands are surprised and delighted.

I wish all to know how satisfactory the "Wonder" Telescope is. Our farm is on the highest point in the surrounding country. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles, count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope.—F. G. Patton, Arkansas City, Kan.

Received telescope last Friday. It is a dandy and I am well pleased with it, I can easily see 10 miles with it.—W. E. Dickerson, Jr., Chatham, Mass.

I received the telescope alright. It is just as you advertised.—George H. Burton, Waterville, N. Y.

I received the telescope sent me and thank you ever so much. I was very much pleased with it.—M. Mannel Gabriel, Paanilo, Hawaii.

Enclosed find remittance for two more telescopes. These are for two different parties. I showed them mine and they were so taken with it that they wanted one. I am well pleased with it.—J. F. Powell, McCune, Kans.

My neighbors are worrying me to death to get one like it.—Jas. W. Raines, Sedalia, Mo.

Looked at Price Mountain which is 20 miles from here and could see birds flying around it. My friends want to buy.—Merrill Ellis, Griffin, Ga.

It is far beyond expectations and exactly as you represented. I made light of your ad at first but am glad now I sent for telescope. I wouldn't take $5.00 for it if I couldn't get another—.O. G. Folk, Elk Lick, Pa.

It certainly is the greatest magnifier I ever saw for $1.00. Live two miles from the city and can almost read the time on the church clock. Have some young cattle in pasture ½ mile away and now can save many a walk over there. —Andrew N. Verhalen, Burlington, Wis.

I am well pleased with my telescope. It is really finer than I expected.—Bruce H. Beem, Spencer, Ind.

It is a dandy and all you claimed for it.—Carl A. Erickson, Arpin, Wis.

I am thoroughly satisfied with the telescope. I am proud to own it.—Arthur Prange, Lunridge, Wis.

I think it is wonderful value for the price.—C. W. Nelson, New Denver, B. C.

I can say every time it is worth $10.00 to me. I can see cattle at 15 miles and can see a nickel at 600 yards.—Tervis S. Sepeda, Morgan Hill, Calif.

It is certainly a wonder. I am very much pleased.—Victor Parochini, Oakley, Calif.

Worth more than I paid.—Earl Sheaffer, New Bloomfield, Pa.

I did not expect to get one like it. My friends are pleased.—Michael Wessman, Jr., Blue Island, Ill.

Worth the money I paid and more.—Otto Louneborne, Hettick, Ill.

Telescope finest thing I ever had.—Chester Honsen, Meriden, Ga.

Thoroughly satisfied. I could not miss it now.—Arthur Prange, Tuneridge, Wis.

It is just what you recommended it to be.—Chas. W. Bloom, Olanta, Pa.

No matter what you think about the price, you will be surprised with the "Wonder" Telescope; everybody is.

Guaranteed to Please You or Your Money Back

You are the judge. Send today and be first in your neighborhood. We have a money making proposition for you besides. You can make $30 a week selling them. You can't invest $1.00 better. This paper guarantees its advertisers; over 5,000 of its readers already have a "Wonder" Telescope. We want to introduce it to 5,000 more.

For Christmas Nothing better for the boys and girls or for grown-ups for a Christmas present. Don't put it off until the last minute. Order now—while it is on your mind. Best $1.00 present in the world.

Price The most wonderful part of our offer is the price of the "Wonder" Telescope. Now only $1.00 each. Send 10c extra for ordinary postage, or 20c extra for insured mail and we guarantee safe delivery. Don't put it off. Order now.

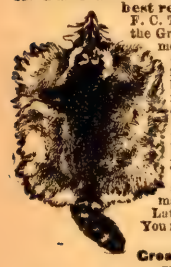
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110 FUR EXCHANGE BLDG. ST. LOUIS, MO.



RAW FURS WANTED HIDES, SKINS AND WOOL

FURS ARE HIGH. Don't Sell till you get our Price List. Honest Grading is our motto. Custom Tanning scientifically done. Soft, silky robes, coats, gloves and other garments from hides and skins sent us at moderate cost. Highest Bank References. Est. 1891. Write.
OHSMAN, EFFRON & CO., BOX U-D.CEDAR RAPIDS, IA.

Raw Furs Wanted

Skunk, Mink, Raccoon, Opossum, Fox, Muskrat and other furs are **bringing high prices in New York, the best market for you to ship to.** Do you want to know
"How to Get More Money for Your Raw Furs?"
Write and ask for my price list—it's free. Highest commercial references. Address Dept. **C 156**
F. N. MONJO, 152 W. 25th St., N. Y.

TRAPPERS AND FUR SHIPPERS

Our price list is completed and we are now busy mailing it.

We want all readers of Up-to-Date Farming who are interested in Furs to write us their name and address. We will send you our price list and keep you posted the entire season. We also have a few thousand Trappers Guides left containing 100 Ways and Means of trapping Fur Bearing Animals.

Remember, we pay all expressage or postage and do not charge any commission.

We are waiting for postal from YOU.

ABROHAMS FUR & WOOL CO.
Fur Merchants Seymour, Wis.

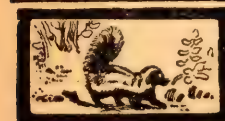
ILLUSTRATED **OUR TRAPPERS GUIDE FREE**

FUR SHIPPER. SEND FOR IT. Information worth a fortune to you—DROP THE MIDDLEMAN—Try the SQUARE DEAL FUR HOUSE, the House that's DIFFERENT, this year. Write for Price List C. O. Valuable information as to PRIZES OFFERED, FREE. Write
WEIL BROS. & CO., Est. 1871, Box 29, Fort Wayne, Ind.
Capital $500,000.00 Paid

FOR YOUR HIDE'S SAKE

Have it tanned with the hair on for a coat, robe or rug. Moth proof, no smell. Freight paid on 3 hides. You furnish hide, we do all the rest and make coat for $10.00 up. Robes $5.50 up. Write for price list.

THE WORTHING & ALGER CO., HILLSDALE, MICH.



SHIP YOUR **FURS** AND PELTS
To McMILLAN FUR & WOOL CO.
MINNEAPOLIS, MINN.
Illustrated Circular Free to anyone interested in RAW FURS.
Trappers' Guide Free to those who ship to us

Raw Fur Prices

are going to be up and down this winter. Some heavy stocks carried over will probably affect the market. We keep our shippers posted by special bulletins all through the winter. We give you the top price because we post you about the rises and falls. Send your name to get on our bulletin list.

Shipments to us at the right time bring best money and quickest returns.

KANN & COMPANY
55 E. 10th Street, New York City

FURS

The 1910 Trapping season is here. Our Price List is ready, a post card will bring it to you. We do not charge any commission and pay all express charges. Send today for our free Price List.

JASPER POTTS, 537 Chas. St., Wellsburg, W. Va.

Big Money For Furs

Get more for your furs, no matter where you are. **We pay twice as much as home buyers** and from **10 to 30% more than any other dealer anywhere.** Our big, free, illustrated catalog tells why and **proves** it by letters from shippers in **every** State. Send for it today—**now**—before you forget. We'll send with it also our **free** Trappers' Guide, tells how to trap and care for furs. Also our big **free** price list and market report. **All sent free for asking and all different from anything you ever saw.**
CORRY HIDE & FUR CO., 17 Main St., Corry, Pa.

THE SPRINGPOLE

Each year many valuable furs are lost because the animal, either gnawed his foot off, twisted out, or pulled the trap loose and dragged out of sight. A sure way to guard against this is to use a spring pole. Simply fasten your trap to the end of a fair-sized sapling, drive a stake in the ground, with a notch in it, then bend the pole over and fasten it in the notch. Care must be taken to have the notch not too deep, so that the animal may, in his struggles, easily jerk it out. When this is done the pole flies up, and Mr. Mink, Muskrat, Coon, or even humble Mr. Cottontail goes aviating. He not only cannot break loose, but he is out of danger of being eaten by any of his unscrupulous woodland cousins.—Wm. Callader, Morgan Co., Ind.

BY ALL MEANS TRAP

At the present high prices of furs, every farmer should be represented in the woods, or along the streams with at least a few traps. As you crossed that branch, did you notice those mink tracks? A steel trap and a little judgment will add several dollars to your bank account. Did you lose a nice hen the other night to the cunning wisdom of a fox? A little ingenuity will place his pelt on a board, and more than money in your pocket to pay for the supper he stole. Raw furs rapidly run into money. Why not reap a harvest in winter as well as summer. There is no rush work now, and your minutes may be turned into dollars. Give it a trial this winter.

DECEMBER FUR PRICES

We give below an abstract of current prices for furs at this date. These are based on furs taken in the latitude of Central Indiana. Northern furs are of course somewhat higher, and southern some lower:

	No. 1 Large	No. 2	No. 2
Mink	5.00	2.00	.60
Raccoon	1.85	.70	.33
Red Fox	4.00	2.00	.50
Opossum	.65	.10	.. ..
Skunk	2.75	.80	.40
Grey Fox	1.25	.35	.20
Muskrat	.45	.35	.20
House Cat (black)	.25	.15	.10
MISCELLANEOUS			
Wild Cat	5.00	1.15	.50
Black Fox	750.00	250.00	100.00
Prairie Wolf	3.00	.75	.40
Marten	8.00	3.00	2.00
Badger	2.25	.60	.30
Weasel (brown)	.05	.. ..	.. ..

Small "Catches"

Too much care cannot be exercised in covering up signs after a trap is set for the cunning fur-bearers. Leave everything just as it was before you arrived. When setting the trap, make as few steps as possible around the set. Imagine yourself the animal, and try to find something suspicious. Many times a few minutes spent this way, add a nice rich pelt.

Several valuable Trappers' Guides are being given away by our advertisers. Notice their ads in this issue; write for the free books, and price lists of furs.

Frequently the trapper finds tracks around his set, and maybe a track square on the pan. Then he wonders why the trigger didn't work. A little investigation reveals a stick or dirt under the pan, which checked the pressure. It's hard to get the varmint on the trap, that one should watch this and not lose a skin after it gets that near the stretching board.

The days of the country fur buyers are limited. Big fur dealers are cutting out the middleman, and going direct to the trapper, with the result that prices are higher than ever before. Only reliable firms advertise in our columns. Write them for prices.

When the streams freeze over, a good way to catch mink is to locate an airhole in the ice, and set a trap directly under it. When the mink comes along he strikes for the air hole to get a breath, and in raising his head up, his hind feet get in the trap. Of course the water should not be very deep—only a few inches at this place.

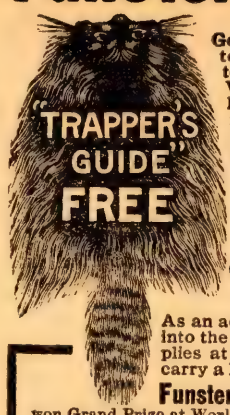
These cold days a fur coat is a most delightful luxury. One may be secured at a very low cost. Notice the offers of the tanning companies in this issue. They will make you up a coat out of any kind of skins, cheaper than you can buy a cloth coat.

We are anxious to receive letters from our readers, telling of their trapping experiences. Write us, and we shall be glad to publish your letters.

His Name Was the Same

"What is your name?" asked the Judge.
"Casey, yer honor."
"Your full name."
"Casey, yer honor. It's the same if I'm full or sober."

Funsten Pays Cash for Furs



Get the very highest prices and the quickest returns by sending your furs to Funsten. No matter whether it's coon, mink, skunk, muskrat, marten, fox, wolf, lynx or any other fur, we pay the most in **real cash.** We receive and sell more furs direct from trapping sections than any house in the world. The biggest American and foreign buyers are represented at our regular sales, which run into millions of dollars yearly. It's the fierce competition amongst this army of buyers at our sales that enables us to get higher prices for our furs than anyone else. And that's why we can pay you more, and pay it quicker.

Big Money in Trapping While work is slack on the farm, try your hand at trapping. It's great sport, and you'll be surprised at the big profits. We send our New Trapper's Guide, Fur Market Reports and Shipping Tags **FREE.** Write for them **today.**

TRAPS AT FACTORY PRICES!

As an accommodation to trappers and shippers, and to encourage men to go into the trapping business, we offer to furnish **best steel** traps and other supplies at **actual factory prices,** including the famous VICTOR trap. We carry a larger stock of traps than any other house in the United States.

Funsten Animal Baits best on the market for years. Guaranteed to increase your catch. Beware of imitations. Funsten Animal Baits won Grand Prize at World's Fair in 1904. U. S. Government uses Funsten Baits. One can of Funsten Animal Bait brought one man in St. Michael's, Alaska, **$1,199 clear profit.** Costs only $1 a can. Different kinds for different animals. Write today—**right now**—for our valuable **Bait Folder, Trapper's Supply Catalog No. 10, Highest Cash Fur Price List and Trapper's Guide—all free.** (17)

Funsten Bros. & Co., 382 **Elm Street, St. Louis, Mo.**



Furs Wanted!

OUR MOTTO:—Fair and square treatment and honest assortment at all times. Write for our price list, ready November 1st.

E. N. EDWARDS FUR CO.
222 East Main St., Madison, Wisconsin

$19.00 More Profit On Your Hides
We Pay The Freight



YOUR cow and horse hides are worth big money. Send them to us, we pay the freight and we will make them into warm, comfortable fur coats for yourself or any member of your family, for 50 per cent less than you would pay for an ordinary cloth coat that lasts but a season or two. You can have your wife and children clothed warm this winter for very little money. If you don't want to use the coats yourself, you can quickly sell them to your friends and clean up 100 per cent easy, net profit. A fur coat like the cut will cost you $10.00. It is poor economy for you to buy a cloth overcoat when you can for 50 per cent less money, get a fur coat, warmer and guaranteed waterproof that will last many years. Keep yourself and family warm this winter. We tan any kind of wild and domestic skins and make them into furs or robes.

FREE with each cow or horse hide coat or robe made from hide furnished by you, we will make free for you a pair of fur knit-lined mittens with horse hide palms.

Send for new, handsome catalog which explains everything and learn about our money saving methods. Write today, **NATIONAL FUR & TANNING CO.,** 28 Arnold St., Three Rivers, Mich. Omaha Branch, 1929 S. 13th St.

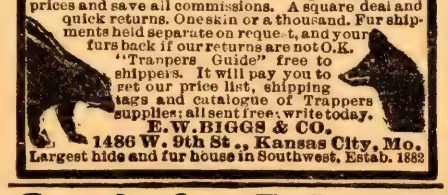
HIGHEST PRICES FOR FURS

I pay highest market prices, pay express charges on all shipments and hold them subject to your acceptance of my valuation, if desired. I charge **no commission** or **extras.** This is only possible because **I personally sort each skin** and you can **rely absolutely** upon **fair** and **honorable grading.** My new interesting booklet **explains the Co-operative Plan.** Shows why it pays to ship your furs to me—and **why my plan benefits you.** It will interest you, and I'll send it if you ask for it

Address me personally, VICTOR SLESINGER Treasurer,
CO-OPERATIVE RAW FUR COMPANY
238 **Jefferson Avenue** **Detroit, Michigan**

WE SHARE PROFITS WITH YOU

SHIP YOUR FURS



direct to E.W Biggs &Co. and you will get the highest prices and save all commissions. A square deal and quick returns. One skin or a thousand. Fur shipments held separate on request, and your furs back if our returns are not O.K.

"Trappers Guide" free to shippers. It will pay you to get our price list, shipping tags and catalogue of Trappers supplies; all sent free; write today.

E.W.BIGGS & CO.
1486 W. 9th St., Kansas City, Mo.
Largest hide and fur house in Southwest. Estab. 1882



If You Ship Them

Send them to JONAS D. EMERY, the fastest growing Fur House in the entire Middle West. Prices may often change but My liberal and fair assortment never will. Write today for price list. I hold shipments separate and to any one not fully satisfied I will return your furs and pay all express charges. I also handle Hides, Junk and Roots. JONAS D. EMERY, Concordia, Kansas

Cash for Raw Furs

Why sell your skins at home when you can send them to us and save all middlemen's profits? New York is the best market in America. We pay cash for hides of Skunks, Minks, Coons, Opossums, Foxes, etc. Thirty years in the business. No commission charged. We stand express charges. Write for price list.
BELT, BUTLER CO., Exporters, 33 **East 12th St., New York**

RAW FUR SHIPPERS

The only way for you to judge whether I pay more than my competitors is **to** send me a shipment and say, "hold separate." I'm willing. Price list mailed free.

JAS. P. ELLIS
19 E. 16th St., New York City
ESTABLISHED 1899.

NEW YORK PRICES FOR RAW FURS

are the highest in the country. We will pay the highest New York cash prices for your Muskrat, Skunk, Mink, Coon, Opossum, Fox and all other standard furs in large or small lots. We hold shipments separate on request. We charge no commission and pay all express charges. Send us your name and address at once and we will keep you fully posted
STRUCK-CHAITIN CO., Dept. E, 8 East 12th St., New York

Raw Furs

We Give Shippers a Square Deal

We always pay highest prices, and make prompt returns.
Shipments held separate if requested.
Write for our free Booklet "How to handle and grade Raw Furs."

AMERICAN RAW FUR CO.
Maurice Rosenstiel
Dept. G., 38 East 10th Street, New York



THE **FUR WINNER** A splendid, big, illustrated journal about hunting, trapping, steel traps, snares, deadfalls, raw furs, guns, dogs, big game, night & fox hunting, also Special Crops & Farm By-products such as roots, barks, forest seeds, fur farming, pet stock breeding, etc. Only 50c a year. Sample copy and booklet on Skinning, Stretching & Grading Furs, 10c. Address: **Fur Winner, Box 5 Pomeroy, O.**



FREE BOOK FOR HUNTERS AND TRAPPERS
Send 5c for **CAMP AND TRAIL,** a great 24 page weekly; or 10c for **HUNTER-TRADER-TRAPPER,** a big 160 page magazine; both devoted to fishing, hunting, trapping, etc. With either one we'll give you **absolutely free,** a 64 page book, "Hints for Hunters and Trappers." Contains all the fur and game laws, many hunting and trapping secrets. Worth hundreds of dollars. **A. R. HARDING PUB. CO., Box 239, Columbus, Ohio**

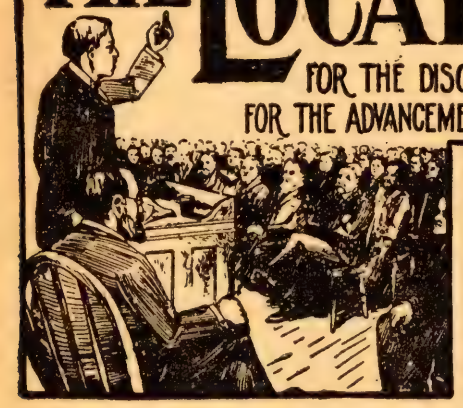


FREE TO TRAPPERS
Furs are high and it pays to trap. Send 25c. for 3 mos. trial subscription to Fur News Magazine, which tells how to trap, hunt, make deadfalls, snares; about dogs, handling raw furs, prices, markets, etc.; lots of good stories, too; and get **FREE** 64-page Trapper's Guide, giving valuable secrets and methods, and chart of all fur and game laws.
FUR NEWS PUB. CO., 71 W. 23d St., New York. Room 607

BEEF HIDES WANTED—TOP MARKET Local Agents also wanted.
Geo. Copeland & Co., Steubenville, Ohio

THE LOCAL UNION

FOR THE DISCUSSION OF ALL FARM PROBLEMS FOR THE ADVANCEMENT OF CO-OPERATIVE FARMING



Low and unprofitable prices for farm crops means drudgery on the farm.

—o—

Continued low prices of farm crops will inevitably result in hard times for the nation.

—o—

We have often printed in these columns that no other people will give farmers profitable prices they must compel them and take them.

—o—

To compel them there must be a great number producing the same crop, seeking the same object—co-operating.

—o—

Cooperation means "a working together." Two men cooperate when they work together to accomplish what one could not do so well alone. But two farmers, even if they wanted the same price for a crop, could not compel it if the others were willing to sell at the board of trade prices.

—o—

So, when it comes to agricultural cooperation, where there are millions of producers it requires a great many people, all desiring the same thing, to represent the crops that represent the balance of power, to compel profitable prices.

—o—

But the number is not as great as the person who has not studied this matter would suppose. This is made very clear in the book "Farmers Industrial Freedom" of which we have sold great numbers to our subscribers at 10 cents each. Every subscriber should read it.



For a fact the number may be so small that we believe the present subscribers of this paper could exert enough force to compel profitable prices on nearly all crops if they would only use the means at their command. We refer to The Equity System of Marketing.

—o—

For instance, the chief cause of low prices is glutted markets. Blind marketing throws excessive quantities of all kinds of farm produce in a few central markets like New York, Philadelphia, Boston, Pittsburgh, Chicago, etc. causing "gluts," if perishable products, and large "visible supplies" if grain. Thus the prices are broken down in those markets and the smaller markets adjust themselves on the same basis.

—o—

If we are correct in our diagnose of the case then the remedy is directed marketing to prevent gluts. That is what The Equity System is for and it will accomplish that if producers will use it.

—o—

It is an old saying that you may lead a horse to water, but you cannot make him drink. A modern adaptation of this may be: You may lead the dumper to The Equity System but you cannot make him use it.

—o—

But we will not admit that farmers will not use it as rapidly as they can be shown its advantages. They need to be shown—educated. and that is what this paper exists for. To illustrate we print the following letters:

Schomberg, Mich., Nov. 19, '10.
Farmers Society of Equity:—I believe in the plan of the Society but it is a hard matter to get enough people to use it that it will benefit us. Our local is a small one and they don't seem to want to take any chances in shipping their own produce. Potatoes is all we have to sell and we have 10 or 12 car loads. The local buyers are paying 20 to 22 cents.—J. B. Decker, Pres.

And the following:

Orono, Mich., Nov. 20, '10.
Farmers Society of Equity:—Most of our members have potatoes to sell but seem to be afraid to ship them direct, as they are not experienced, consequently they let the speculators fleece them. If The Equity System could only send a man here to take the potatoes in and pay for them when loaded they would all sell through the system. Do you think it could be arranged to have a man come here and load the potatoes and pay for them when loaded?—Martin Pfiefer, Pres.

—o—

This is the condition. The Equity System furnishes just what these people need,, viz., personal, responsible agents on sixty-five markets to receive their shipments, as the agent of the shipper and sell at the highest price and make honest returns; also the headquarters directs the shipments to avoid glutted markets; also the producer can load the potatoes into a car, his own car, as easily as he can put them in the local buyer's car or warehouse. Yet the farmers are timid and prefer to pay the local handler 7 to 10 cents a bushel for doing this business for them.

—o—

Farmers must do more of their own business if they ever expect to improve their condition. There is no other way under the sun. They must do just like other people have done who produce, or have commodities to sell. **They must attend to their own marketing** and not simply produce the stuff and then turn it over to another class of people to market. Yes, The Equity System could send a man to the station and buy the potatoes, if it were operating like the produce exchange system. But in that case the producer would have to pay the expense which is what we aim to save him. We consider it just as safe to ship through The Equity System as to sell to the local buyer, the main difference is you must wait a little while for the returns, but the reward, as far as potatoes is concerned has been from 7 to 10 cents more a bushel.

—o—

We want to see more shipping through The Equity System. The demand is calling for supplies that we cannot fill. Nearly every day we have telegrams asking for shipments where the demand is urgent and the prices good that we cannot accommodate because enough farmers have not signified their intention to market through the system.

We will say again, that we believe the subscribers to this paper have enough crops to represent the balance of power in making prices if they will use their system and have the crops directed to the logical markets instead of dumping them into the hands of exploiters who use them as a club to beat the prices down on all farmers have left.

—o—

And all any farmer needs to do is to report his crops to headquarters, Indianapolis, Ind., and receive directions where to ship to the best market.

—o—

Send the blank on this page.

IMPORTANT NOTICE

With this issue we have discontinued the department, "When to Sell, Where to sell, How to Sell" because headquarters has installed a trafic department and, in the future all direction will be given from headquarters.

To make this plain: We always have the current market reports on the various markets in The Equity System (65 at present) at headquarters. When a member or subscriber reports any crops to sell the trafic department gets the freight rate between the shipping point and all the possible markets, calculates the freight and other expenses and these decide the best market. Directions are then given accordingly. Experience has proven that this is the best way, and this method gives a command of the marketing that could not be had where the shipper was obliged to make his selection of the market. Also it relieves the inexperienced and timid producer of responsibilities they were loth to assume.

See in this issue a blank for reporting. Also read carefully all the matter on "The Local Union" page.

HAVE YOU ORDERED YOUR CALENDAR?

WE have, at a very large outlay of money, had painted and then printed a wonderful, beautiful calendar for 1911. It is exclusively an UP-TO-DATE FARMING production and we want to place one in each home where this paper goes. Notwithstanding that the calendar is one of the most beautiful and expensive ones of the year, we make no charge for it, but send it **FREE** to each new or renewal subscriber, **if it is asked for,** instead of any other premium. See our offer on page 23. A great many subscribers expire this month. They will be doubly pleased if they ask for the **WOODLAND** calendar when renewing. But if another premium is also wanted, send a new subscriber along.

Remember, you never saw a calendar that you will prize quite as much all through the whole year as this one. Look at the date on your address now. But you can renew even before your time expires.

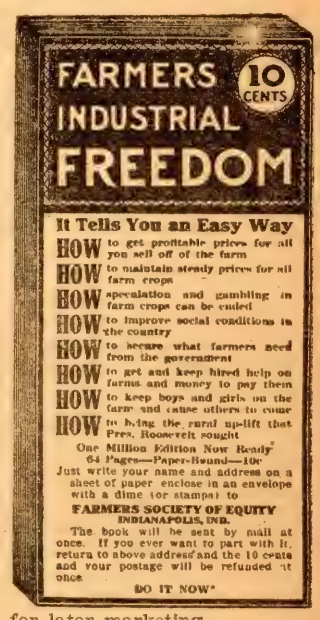
A SURE THING IS A THOUSAND TIMES BETTER THAN A GUESS



There is no Guessing

When you market through The Equity System. Personal, responsible representatives on 65 of the largest markets of the country are always ready to look after your shipments just as well as you could if you accompanied them.

THE EQUITY SYSTEM OF MARKETING was at first intended to be limited to members of the Farmers Society of Equity. But there are so many crops being dumped on illogical markets, resulting in gluts and low prices, that we have concluded to broaden the scope of the system as much as possible and bring as many crops under its direction as possible.



To this end each subscriber of Up-to-Date Farming or member of the F. S. E. is invited to report to us the crops he will sell in the next 30 days and we will put The Equity System to work on them. In a few days after you mail the blank, below, you will receive INSTRUCTIONS FROM HEADQUARTERS WHERE TO SHIP TO THE HIGHEST AND BEST MARKET. This service is now free to SUBSCRIBERS whose time is paid in advance as well as to MEMBERS.

We believe members of the F. S. E. will approve of this step because they are interested in bringing as much of the crops under control as possible, to prevent gluts. Understand, there is nothing in this that urges marketing at low prices. On the contrary we want every farmer to keep the minimum prices in mind and hold for them. But our purpose is to direct the crops, that will or must be sold, to the best markets. Also, farmers who use The Equity System and get more money for their crops and have less trouble in marketing, will become members and spread the Society in their communities.

Therefore, any crops that you expect to market, or ship for storage, in the next 30 days list them below, but no others. Blanks will be printed in future numbers for later marketing.

If you have not read the great book "Farmers Industrial Freedom" send 10 cents with the blank. It is a complete education on marketing.

If you want all your crops are worth send the blank below.

FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.

Name of Crop	Quantity	When Ready	Variety, Class or Grade

This report is from..... P. O.....

R. R..... Shipping Station..... State.....

Are you a member of F. S. E.....

Are you a paid in advance subscriber to Up-to-Date Farming.....



Weak Heart

Many people suffer from weak hearts. They may experience shortness of breath on exertion, pain over the heart, or dizzy feelings, oppressed breathing after meals or their eyes become blurred, their heart is not sufficiently strong to pump blood to the extremities, and they have cold hands and feet, or poor appetite because of weakened blood supply to the stomach. A heart tonic and alterative should be taken which has no bad after-effect. Such is Dr. Pierce's Golden Medical Discovery, which contains no dangerous narcotics nor alcohol.

The ingredients, as attested under oath, are Stone root (*Collinsonia Canadensis*), Bloodroot (*Sanguinaria Canadensis*), Golden Seal root (*Hydrastis Canadensis*), Queen's root (*Stillingia Sylvatica*), Black Cherrybark (*Prunus Virginiana*), Mandrake root (*Podophyllum Peltatum*), with triple refined glycerine, prepared in a scientific laboratory in a way that no druggist could imitate.

This tonic contains no alcohol to shrink up the red blood corpuscles; but, on the other hand, it increases their number and they become round and healthy. It helps the human system in the constant manufacture of rich, red blood. It helps the stomach to assimilate or take up the proper elements from the food, thereby helping digestion and curing dyspepsia, heart-burn and many uncomfortable symptoms, stops excessive tissue waste in convalescence from fevers; for the run-down, anæmic, thin-blooded people, the "Discovery" is refreshing and vitalizing. Stick to this safe and sane remedy, and refuse all "just as good" medicines offered by the druggist who is looking for a larger profit. Nothing but Dr. Pierce's Golden Medical Discovery will do you half as much good.

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

THE BUSINESS EXCHANGE can be made the most valuable department in UP-TO-DATE FARMING. It can be made the medium of sale for surplus crops and as valuable to buyers to supply their needs. It should be used to a much greater extent than it is and thus one of the missions of this paper will be accomplished.

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Each initial and number counts as a word. No display, except the first few words will be set in capital letters without extra charge. To bring sellers and buyers together there is no surer way than thru this BUSINESS EXCHANGE. Advertisements under this head are small and we cannot investigate every advertiser. Our "Guarantee of Advertisers" does not apply. Rogues shall not advertise here if we know it. Report any unsatisfactory transactions promptly. When writing please say: "I saw it advertised in UP-TO-DATE FARMING."

Agents Wanted

LADY OR GENTLEMAN, fair education, to travel for old established house. Salary, $12 per week to start. Expenses advanced. Geo. G. Clows, Dept. F, Philadelphia, Pa.

Business Chances

BUSINESS CHANCE—Wanted— A party with $500 to $1,000 to manage a small farm. Man with farming or gardening experience preferred. Unusual opportunity for a hard working, capable and reliable party. Returns $1,000 to $2,000 a year above expenses assured. Address, giving particulars. P. O. Box 196, Indianapolis, Ind.

Farm Lands For Sale

CUBA. Most productive soil. Delightful and healthful climate. Ample rainfall. Cheapest transportation facilities to the world's greatest markets. Particulars free. Sanderson, 70 Palace Bldg, Minneapolis.

FARMS in Michigan's best county—The great beet, bean, corn and hay belt. Write your wants to J. H. Smith, Ashley, Mich.

I HAVE FOR SALE in Greneda county, Mississippi, 1,840 acres of land; 100 acres are now in cultivation, 200 acres could be put in cultivation at very little cost; eight houses on the property and two deep wells. This would make an excellent stock farm. To close an estate, I will sell this property for $7 per acre. There are 20,000 pine trees on this land from 6 to 12 inches in diameter. J. S. Houston, 737 Marquette Bldg., Chicago, Ill.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

100-ACRE, well-improved farm in Hendricks Co., Indiana, all brand new buildings, 94 acres in cultivation, well drained, gently rolling, on R. F. D. near markets, 17 miles from Indianapolis. Address B. M. M., 2134 College avenue, Indianapolis.

Farms Wanted

FARMS WANTED—Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, 71 Palace, Minneapolis, Minn.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

For the Home

PREMIUMS FREE—Send names and addresses of ten heads of families and receive premiums. Enclose 5 cents for catalogue. Guy W. Mayberry, Newberry, Ind.

RICE. From producer to consumer. 100 pounds, beautiful clean, white table rice, in double sacks, freight prepaid to your railroad station $3.85. J. Ed. Cabaniss, Katy, Texas.

Male Help Wanted

GET A BETTER PLACE—Uncle Sam is best employer; pay is high and sure; hours short; places permanent; promotions regular; vacations with pay; thousands of vacancies every month; all kinds of pleasant work everywhere; no lay-offs; no pull needed, common education sufficient. Ask for free booklet 839, giving full particulars and explaining my offer of position or money back. Earl Hopkins, Washington, D. C.

$80.00 PER MONTH paid railway mail clerks, customs and internal revenue employees. No "layoffs"; short hours; rapid advancement to high salaries. Thousands of appointments coming. Common education sufficient. Examinations announced everywhere, January 15th. Coaching free to first 25 applicants. Write immediately for schedule. Franklin Institute, Dept. D 27, Rochester, N. Y.

LOCAL REPRESENTATIVE WANTED.—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, Suite 511, Marden Bldg., Washington, D. C.

Patent Attorneys

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

NARAGANSETT, Bourbon Red, White Holland, Mammoth Bronze Turkeys. S. Durigg & Son, Armstrong Mills, Ohio.

POULTRY IN OREGON. A splendid booklet on this subject just written by Professor James Dryden of the Oregon Agricultural College. Tells why poultry is especially profitable here. Booklet free for the asking—mention any other line that interests you. 664 Portland Commercial Club, Portland, Oregon.

Produce Commission Merchant

TAKE NOTICE—T. J. Hoover, Phila., Pa., sells poultry, eggs, apples, potatoes, onions, cabbage, carloads and less.

Thoroughbred Stock

DELAINE RAMS, fine quality; catalogue free. Frank Russell, Wakeman, O.

Tobacco Cures

TOPACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure, pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

DID YOU RECEIVE A LETTER?

ABOUT 50,000 subscribers to UP-TO-DATE FARMING received a letter from headquarters in November. It was a request to renew their subscriptions now and send some new subscribers. It was sent to subscribers regardless of the time their subscription expired as we like to believe that every present subscriber is, or should be, very much interested in extending the circulation of this paper.

If you received such a letter and have not responded to our appeal yet won't you please look it up and do the little thing we asked at the first moment possible. If you have neglected to respond already we believe it was because you were busy with the farm work, saving the crops you produced. That is necessary of course. But it would take only a few minutes to read our letter and understand our proposition which was all toward strengthening your position when you come to market your crops. This is a side of your business that you cannot afford to neglect.

So we ask you again to find our letter and read it and then let us hear from you just as promptly as possible.

SUSIE COLE BECOMES A PIONEER

MISS SUSIE M. COLE of Lyle, Minn., sends two new subscribers for two years each, and thus becomes a Pioneer of Equity. She also writes a very interesting letter that we wish to publish, but to publish a second letter among the Cadet letters would crowd out some whose letters have never been published, and thus be unfair to them. Hence we make room for Miss Susie's second letter here:

Dear Editor and Cadets: As so many have requested a second letter from me, I will write to thank them all, and especially Mr. Everitt, for the kind advice given me in response to my letter of May 15. I have received 106 letters and 226 cards, all the cards being from Cadets. From these cards and letters I have received much valuable information and suggestions. We should consider ourselves one great family. But I wonder will Mr. Everitt own us all? I have answered all the letters and cards.

The preponderance of the advice given me was to stay on the farm, get an incubator, and go into the poultry business. I did, and had splendid luck with the "Old Trusty." I have sold enough chickens to pay for the incubator, and have yet about 100 that will average two to five pounds each.

Crops in this section are fair considering the early drought we had, especially late potatoes and garden vegetables, but fruit is a total failure. We went to the river for a load of gravel, taking the rifle along, and got a gray and a fox squirrel and a rabbit. It is nice to live near a river, so one can pearl fish and hunt at pleasure. If any of the Cadet family chance to pass this way, I will be pleased to have them call. I send two new subscribers for two years each, and wish to be a Pioneer of Equity.—Susie M. Cole, Lyle, Minn.

BUTTER AND EGG COLD STORAGE

(Concluded from page 5)

eggs this plant is almost an ideal one; the operating costs in this well insulated building are very low indeed; and the uniformity with which the temperature can be maintained is quite remarkable.

The insulation consists of mill shavings and hair felt separated and protected by the best grades of insulating paper. Complete plans for the insulation were furnished by Madison Cooper Company, Refrigerating Engineers and Architects, Watertown, N. Y. They also furnished and installed the complete equipment necessary for the successful working of the Gravity Brine System and Chloride of Calcium Process. These systems are already familiar to our readers as they have been illustrated and described in our pages.

REQUEST *ADVERTISERS WANT TO Know in what Paper seen. Therefore We* **TO** *to mention UP-TO-DATE every time you Write to Our Advertisers.* **READERS.** *their Advertisement was Urgently Request You*

THE A. S. of E. CONVENTION

MOST of our readers know that three years ago there was a very powerful farmers society that spread over nearly the whole country; i. e., had members in nearly every county; had thousands of local unions; had fourteen state unions, nearly a hundred thousand actual members and millions of farmers, not members, were marketing their crops the same way the members did. Our readers, quite generally know too, that this paper was the official paper of that society and what the society had accomplished in the way of organization and education to bring about a revolution in marketing farm crops, it owed largely to this paper—UP-TO-DATE FARMING. It is hardly necessary to say that that society was the American Society of Equity, but we mention it so the new readers may not confuse this article and the Farmers Society of Equity.

Such a great society, representing the great farming class, and the great agricultural industry naturally would have great annual conventions. And it did have, several of them. At the annual conventions, to which delegates came from nearly every State, and representing every farm crop, the whole agricultural situation was reviewed. Particularly the yields of crops and the demand for them were considered and at those conventions prices were decided upon. Such prices were flashed all over the country by the press agencies and published in nearly all the papers of the country. They were also carried to all the members of the society by the official paper—UP-TO-DATE FARMING. The result was that they were known by all the farmers and as they had been declared to be fair, and equitable, and profitable to the producers, by such a great society in its annual, national convention, the producers refused to sell for less. The result was that the buyers, being unable to buy enough to satisfy the demand at their own prices, were soon compelled to pay the farmers' prices, set at the conventions.

Old members of that society know this is true, and others who enjoyed the good prices that were paid for crops during 1903, 1904, 1905, 1906, 1907, 1908 and 1909, if they did not know what made the prices better than they used to be, are now informed that it was because farmers had the price, set by the society in convention, in mind, held for it and inevitably got it, because the world could not do without what farmers produced.

But in 1907 some of the officers of the society, led by the secretary, departed from the old successful plans and began to try new plans. They were opposed by the editor of this paper, who was the originator of the plan that had proved so successful, the founder of the society and down to that time its president and chief director. To accomplish their ends they conspired to control and deceive the 1907 convention and capture the organization. They succeeded in doing this.

(Continued on page 22)



It is just as easy to load them in a car and ship to The Equity System as to sell to the local buyer and they bring from 25c to $1.50 a barrel more.

SPLENDID CROPS

in Saskatchewan (Western Canada)



800 Bushels From 20 Acres of wheat was the thresher's return from a Lloydminster farm in the season of 1910. Many fields in that as well as other districts yielded from 25 to 35 bushels of wheat to the acre. Other grains in proportion.

Large Profits are thus derived from the FREE HOMESTEAD LANDS of Western Canada.

This excellent showing causes prices to advance. Land values should double in two years' time.

Grain growing, mixed farming, cattle raising and dairying are all profitable. Free Homesteads of 160 acres are to be had in the very best districts; 160-acre pre-emptions at $3.00 per acre within certain areas. Schools and churches in every settlement, climate unexcelled, soil the richest; wood, water and building material plentiful.

For low settlers' railway rates and illustrated pamphlet, "Last Best West," and other information, write to Sup't of Immig., Ottawa, Can., or Can. Gov't Agt. (52)



W. H. Rogers
3rd Floor Terminal Traction Bldg.
Indianapolis, Ind.

Advertisements in Up-to-Date Farming are safe to answer
Have no fear in writing to advertisers—they are **Guaranteed**
See Guarantee of Advertisers in this issue

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

MINIMUM PRICES 1910 CROPS

We believe the following are fair and equitable minimum prices for the crops mentioned. We believe conditions of supply and demand are such that these prices will be paid before the next crops are produced. Certain it is that if producers will hold their crops and ask these prices they will be paid, because the world of consumers cannot get along without them. The farm price will be the minimum price less freight and a fair commission to the handler.



Minimum prices on other crops will be announced later.

WHEAT—No. 2 red, at Chicago.....$1.20
WHEAT—No. 1 Northern (Spring) at Minneapolis, ... 1.20
CORN—No. 2, at Chicago, before Jan. 1 ..... .60
CORN—No. 2, at Chicago after Jan. 1 ..... .65
OATS—No. 2 white, at Chicago..... .47
BARLEY—Good malting, at Chicago.. .75
RYE—At Chicago ..... .75
BUCKWHEAT—At home ..... .85
BEANS—at Detroit .....$2.50@2.75
TIMOTHY HAY—Choice, at Chicago Per ton .....$20.00@21.00
CATTLE—Choice to Fancy Steers, at Chicago, per cwt.....$7.50@8.50
HOGS—At Chicago, per cwt...$7.00@7.50
POTATOES—From the field, good to choice .....35@40c
BROOM CORN—At Chicago, $150@175
COTTON—At Galveston, New Orleans, Mobile, etc., per lb. 15c

WESTERN RECEIPTS OF GRAIN

	Comparisons Nov. 19.	and year ago.
Wheat, bu.....	520,000	870,000
Corn, bu.	509,000	323,000
Oats, bu.	441,000	381,000

THE year 1910 started with some discouraging features for the crop raisers, but has wound up in a blaze of glory, as far as production is concerned. Farmers have truly been wonderfully successful in producing. Very few people seem to think anything else is necessary; but how about marketing?

Can corn be produced and sold off of the farm at 35 to 40 cents a bushel; wheat at 80 to 85 cents; oats at 28 to 30 cents and make the farmer the profit he is entitled to? Will the present level of land values be maintained if the present prices of farm crops continue?

As there is a great variation in the yields per acre and cost of production on different farms, the former question must be answered by each farmer. As a general proposition, however, we will say there can be no profit at these prices for the average farmer, who raises the average yields. For the second question the answer is evident. The present price of land is based on the good prices that prevailed for several years. Lower prices will quickly make farm land less profitable, less desirable and, consequently, less valuable.

The following table will illustrate our point better than any thing else. The values are based on the Chicago market:

Crop.	Production. 1909	Value. Nov. 13, 1909.
CORN ...	2,772,376,000	$1,774,380,640
WHEAT .	737,189,000	906,742,470
OATS ...	1,007,353,000	413,014,730
	4,517,918,000	$3,094,077,840

Production. 1910	Value. Nov. 19, 1910.
3,121,381,000	$1,623,118,120
691,769,000	643,345,170
1,096,396,000	361,810,680
4,909,546,000	$2,628,273,970

The table reveals that the 1910 crops (By the November estimate) are 391,628,000 bushels greater than the 1909 crops. Of course the larger crop cost more to produce, handle and market than the smaller one, yet we would expect it to sell at a lower price per bushel. But no person will contend that the farmers should be penalized for the very large crops which nearly all their friends (?) have been trying to teach them how to produce. The fact however is, on the present showing that the larger crops are worth $465,803,870 less than last year's smaller ones. Expressed in another way, the 1910 crops are 8.7 per cent larger than in 1909, but worth 15 per cent less.

Beware of teachers who preach greater production while neglecting the marketing side.

Some of the features of the markets since our last report are as follows:

Wheat visible increased over 2,000,000 bushels. It exceeded this figure only once since 1902, viz., two years ago, when it was 583,000 bushels larger than now. Corn, oats and barley scored substantial decreases. Chicago price for winter wheat is lower than any other market we quote; Kansas City at the head of production being about 3c higher and St. Louis about 4c higher. The gain in two weeks is 3 to 4c on both winter and spring varieties. Corn is 2 to 4c higher and oats about 3c higher. Receipts of wheat have decreased at primary points which shows that the dumpers have unloaded and farmers are holding supplies firmer.

Live stock has declined rapidly, and unless corn prices advance, it is due to go still lower. Live stock will seek the lever of corn values and vice versa.

The natural deduction is: Control the marketing of either corn or live stock to maintain profitable prices and the other will seek that level. The easier plan is to refuse to sell corn at unfairly low prices.

November government report estimated the potato crop at 328,487,000 bushels against 376,537,000 bushels, the final estimate the year before. Marketing has been free, and prices low. The prices paid by buyers in the country have been very low, too low. 20 to 25 cents a bushel is the prevailing prices paid at country points; while growers who have shipped direct to the final market through The Equity System of this paper have been realizing 35 cents or more net (after freight and all expenses were paid). We make no apology for urging growers to use the Equity system since it gives them more money as that is the object all our efforts are directed toward.

The following figures tell the market story:

VISIBLE SUPPLY

The visible supplies of grain in the United States, by Bradstreet's reports on November 12, 1910, with comparisons are shown in the following tables: (The sign — before figures means decrease, X means increase.)

	November 12, 1910 Bushels.	Change from two weeks before Bushels.	Change from a year before Bushels.	Change from 2 years before Bushels.	Change in same period last year Bushels.
WHEAT	53,608,000	X2,340,000	X15,739,000	—583,000	X2,931,000
CORN	4,318,000	—1,674,000	—148,000	X1,072,000	—1,470,000
OATS	24,665,000	—1,643,000	X4,504,000	X8,358,000	—395,000
BARLEY ...	3,739,000	—83,000	—3,170,000	—5,602,000	—17,000

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	Nov. 11, 1910	Nov. 4, 1910	Nov. 12. 1909
American ...	2,852,109	2,647,608	3,680,151
Other kinds	630,000	646,000	622,000
Total	3,482,109	3,293,608	4,302,151

The total visible increased 461,291 bales in two weeks.

Prices, New York, Nov. 19—Middling uplands, 14.55c; Middling gulf, 14.80c. The price is 25c a cwt. lower than two weeks before.

CLOSING PRICES OF CASH GRAIN

	WHEAT NO. 2 RED Nov. 19.	2 wks before	CORN NO. 2 WHITE Nov. 19.	2 wks before	OATS NO. 2 WHITE Nov. 19.	2 wks before
Chicago	92⅛@93½	89½@90½	51½@52	50½@51	32½@33	32@33
St. Louis	96 @97½	94	50½	49½	34 @34½	32½
Kansas City	94 @95½	91	48 @50	47½	32 @35	32
Cincinnati	95 @98	91 @95	55 @56	51	33 @33½	34
New York	...	98		57¾		37½

Minneapolis—Wheat, No. 1 hard, spring, $1.06; two weeks before, $1.02¼. No. 1 Northern spring, $1.04@1.05; two weeks before, $1.01½.

FUTURE GRAIN PRICES

Chicago futures closed Nov. 19, as follows:

WHEAT—Dec., 90⅞c; May, 96¾c; July, 93½c. Two weeks before, 88⅜c, 94⅞c and 92⅞c respectively.

CORN—Dec., 44⅞c; May, 46¾c; July, 47⅝c. Two weeks before, 47¼c; 49½c and 50⅛c respectively.

OATS—Dec., 30⅝c; May, 33⅞c; July, 33⅞c. Two weeks before, 31½c, and 34½c respectively.

CHICAGO PRODUCE MARKET

November 19, 1910

POTATOES—Arrivals by cars, with comparisons, follows:

	This week.	Last week	Last year.
Monday ...	99	112	67
Tuesday ...	79	67	25
Wednesday	24	66	23
Thursday ..	29	39	32
Friday	61	57	33
Saturday ..	69	59	30
Total 6 days	361	400	210

A steady to firm feeling prevailed for ripe stock. Buyers wanted potatoes, but the general run of coarse, rough, green or hollow stock was not what the trade was looking for. For Saturday, there was a fair active demand. Receipts are good by rail, and there are fair arrivals by boat.

Sales reported were: Wisconsin—2 cars in sacks, frozen, at $125 per car, 1 car green at 38c per bushel, 1 car do, at 39c, 1 car do, at 40c, 1 car Kings on the green order at 42c, 1 car do, at 43c, 2 cars good rurals at 45c. Michigan—1 boat load (about 13,000 bu) at 40c, 1 car choice at 47c.

Per bushel, Michigan, round, white,
common green to fairly good $ 40@ 46
Really nice, ripe ..... 47@ 48
Wisconsin, mainly immature stock, small or large and hollow.... 35@ 40
Fair to good, not fully matured 41@ 45
Kings, fair to fancy..... 40@ 45

HAY—Choice Kansas Prairie Hay in light supply and firm. Demand good. Low grades in light request and quiet. Timothy Hay steady. Demand and offerings fair.

Choice Timothy Hay .....$19.00@20.00
No. 1 Timothy ..... 18.00@19.00
No. 2 Timothy ..... 15.50@16.50
No. 3 Timothy ..... 12.50@14.00
Kansas and Oklahoma Prairie choice ..... 15.00@15.50

The price is $1.50 to $2.00 higher than two weeks before on Timothy. No change on Prairie.

BROOM CORN—Nothing much doing. Just a quiet trade.

Price, choice brush, per ton, $130@140; medium, $110@120; common, $90@100. The price is the same as two weeks before.

BEANS—Have been ruling quiet. This has made offerings rather small and caused a firm feeling. Pea Beans have advanced some. They are said to be plenty in the country. There has been some difficulty in getting them picked. A fair demand reported for Red Kidney, but Brown Swedish have not got much demand. Limas are steady, a trifle firmer.

Pea Beans—
Hand-picked, choice .....$2.25@2.30
Good but not strictly hand-pkd 2.10@2.15
Mediums nominally about same as Pea Beans.
Red Kidneys ..... 2.80@2.90
Brown Swedish ..... 2.75@....
Limas, California, per 100 lbs.. 5.50@5.60

The price of Pea Beans is 10c higher than two weeks before; Red Kidneys 10c lower and Limas 10c cwt. higher.

APPLES—The market is holding firm. Barrel stock is coming forward only moderately. The heavy run probably is over. Demand is good and conditions are favorable.

There are still fair receipts of Western box Apples, and supply is good. They also are having a good trade with steadiness prevailing.

The market was quotable as follows:

Barrels—regulation size—
Baldwins, New England No. 1, $3.50@4.00. New York, No. 1, $3.75@4.00. Michigan, rough and rusty, $2.50@2.75. Greenings, fancy, cold storage, $4.75@5.00; good to choice, $3.50@3.75. Twenty-ounce, fan, $4.75. Grimes Golden, choice $4.00. Ben Davis, No. 1, Missouri, $3.50@3.75. King, No. 1, $4.00@4.50. Jonathan, good, $4.00@4.50. Wagners, $3.25@3.50. Spies, No. 1, $4.25@4.50; fancy, $4.75@5.00.

Several varieties are moderately higher than two weeks before.

EGGS—The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week. Cases.	Last week. Cases.	Last year. Cases.
Monday	3,217	2,332	4,417
Tuesday	2,364	2,533	6,659
Wednesday .	2,774	2,972	5,104
Thursday ...	1,083	1,915	4,793
Friday	2,669	2,053	4,017
Saturday ...	2,988	3,318	4,230
Total	15,095	15,123	29,220

Receipts, April 1, 1910 to Nov. 19, 1910 2,706,240 cases.

Receipts, April 1, 1909 to Nov. 20, 1909, 2,685,679 cases.

Receipts, April 1, 1908 to Nov. 14, 1908, 2,479,994 cases.

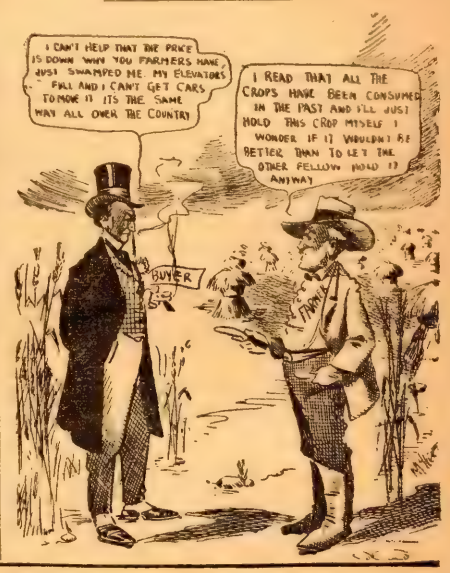
A firm feeling continues to exist, and recent quotations well maintained.

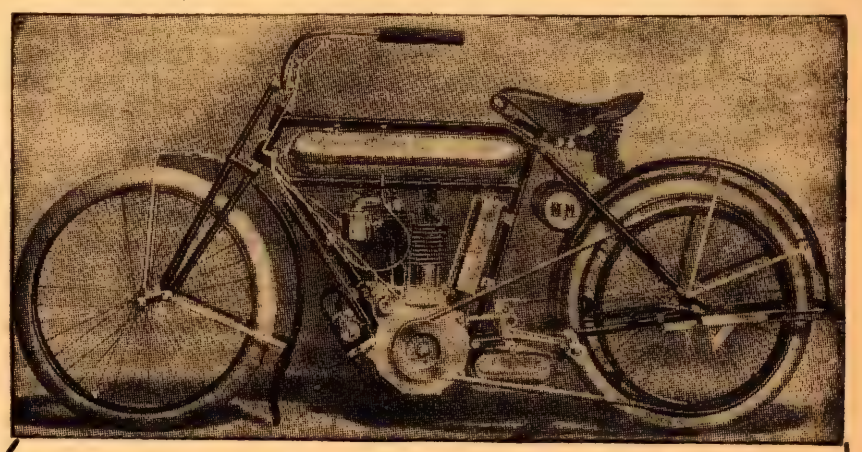
All new-laid eggs are in good demand. More of this class of stock could be handled satisfactorily. Country shippers would find it to their advantage to forward eggs as promptly as possible.

The following quotations were established by the Butter and Egg Bord:

Miscelaneous lots, cases returned, 22½@25½c, depending on quality. Ordinary Firsts quotable at 27c. "Firsts" quotable at 29c per dozen. "Prime Firsts" quoted at 31c. Checks or Seconds quotably at 15@17c. Dirties quotably 18@20 per doz., according to quality. Refrigerator April Extras offered at 24½c and 23½c bid. April Firsts offered at 23½c and 22c bid.

The price is 2 to 3c higher than two weeks before.





A $250 Motorcycle FREE

That is just exactly what we mean, FREE. This is one of the newest and latest model 4 H. P. Motorcycles. It is a powerful machine, with wonderful speed, and very comfortable and easy riding. The seat gives no jolts or jars. It will negotiate the steepest hill, has a quiet, simply constructed motor, that any one can operate. It has 26 inch wheels, low frame, so that the feet reach the ground if necessary, leaf springs on front fork (see cut), beautiful finish. The best value in Motorcycles on the market today. It will require but a few moments of your spare time to secure this wonderful machine FREE. Our plan is new and novel

Send Your Name Today and by return mail we will tell you all about our plan. You will be surprised to see how we are actually giving these machines away. We do not ask you to work and earn one. Our plan is something altogether different. Novel, unique. Write today

USE THE COUPON

Think what it means for you to be able to travel 20 miles in an hour over any and all kinds of roads and hills. You can go much faster than that if you desire. The machine is a beauty and one of the very best ever made. The engine is quiet and powerful. Be quick—don't delay—use the coupon.

FARM PRESS PUB. CO.
150 W. Ohio St., CHICAGO, ILL.

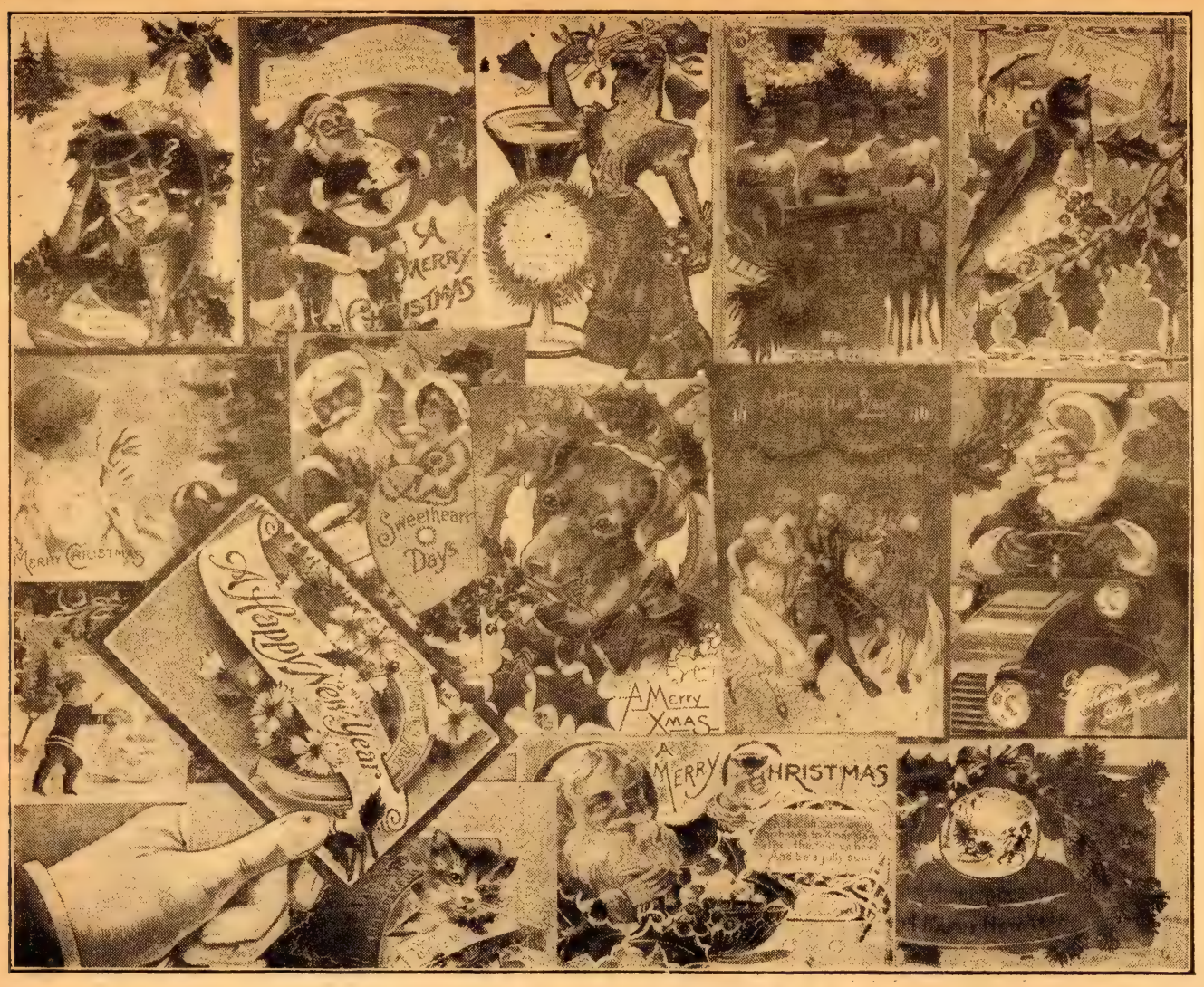
FARM PRESS PUB. CO.,
150 W. Ohio St., Chicago, Ill.

Gentlemen: I should like to have you send me full particulars regarding your Motorcycle proposition, telling me how to secure it FREE.

(Give full address and write plainly)

NAME

ADDRESS



Christmas Greetings

CHRISTMAS and NEW YEAR will soon be here. Now is the time to get your Post Cards and Below are the Offers

HERE I AM again, just a little ahead of Santa Claus, with my extraordinary offers of **CHRISTMAS** and **NEW YEARS** post cards. Last year I gave my subscribers millions of post cards. Were they beautiful? Well, yes; they were the most beautiful ones in circulation and subscribers of UP-TO-DATE FARMING were made happy because they had more beautiful cards than any of their neighbors had.

But for this holiday season! Can you believe it possible to improve on last years beautiful cards? The best post card publishing house in the country began to work on the problem last Spring and I am overjoyed to announce that this seasons cards are **far, far, richer and more beautiful** than last years. They are so far ahead that last seasons look tame and dull in comparison.

I am not going to attempt to describe them. I cannot. You must see them to appreciate them, when you will exclaim, "I had no idea they were so beautiful!" They were produced by 12 printings, on superior card board, decorated with gold and silver and are embossed. Also they are copyrighted and cannot be gotten elsewhere.

I have this time **100 DIFFERENT CARDS** in **16 SETS**. The whole series is a bewildering display, while from any assortment cards can be selected to please the fancy of each member of the family. The children were especially in mind but the older folks were not forgotten.

I want to continue the practice of sending a collection of **CHRISTMAS** and **NEW YEARS** cards to my subscribers at this season. It is a good will offering to those who have helped me make **UP-TO-DATE FARMING THE COUNTRY'S GREATEST AND MOST HELPFUL FARM PAPER.** I will esteem it a pleasure to send some of these cards to **YOU.**

Below are many offers and I guarantee that my cards are the most beautiful you will see or I will return your money

Offer No. 1 **SEND 30 CENTS** to extend your subscription **ONE** year from the present expiration and I will send you 20 of my **CHRISTMAS** and **NEW YEARS** post cards. assorted.

Offer No. 2 **SEND 50 CENTS** to extend your subscription **TWO** years; Or one year each to you and a **NEW** subscriber and I will send you 50 of my **CHRISTMAS** and **NEW YEARS** cards in 8 sets.

Offer No. 3 **SEND $1.00** to extend your subscription **FIVE** years; or a club of five subscribers one year each and I will send you the entire, wonderful series of 100 **CHRISTMAS** and **NEW YEARS** post cards in 16 sets.

Album Offer Having post cards, you will need an Album. Also, a beautiful post card Album makes a gift that will be prized by any one. On each subscription order that includes 50 cards or more I will include a beautiful large Album, 9x11 inches, holding 108 cards, beautifully decorated board cover, if 15 cents is sent extra for mailing.

Another of my objects in making these offers s to get a renewal from each subscriber before he end of the year. We need the money now for contemplated improvements, one of which we have in mind is to print the paper weekly. So won't you send the coupon right away, even if your time has not expired. This is probably the last time I can make you such a liberal offer.

J. A. EVERITT, Editor, Indianapolis, Ind.

— — — CUT OUT AND SEND THIS COUPON — — —

NOV. 15th.

COUPON

J. A. EVERITT, Editor,
Indianapolis, Ind.

I enclose $..... and embrace your offer No. .....as made in November 15th. Up-to-Date Farming. (The number of the offer written above will tell what you want. If the paper is to be sent to any of your friends write the names on a separate sheet and attach to this.)

My
Name .....

R. R. ..... P. O. .....
Are you a
subscriber now..... State.....
Do you send 15c extra for
mailing the Post Card Album?.....

THE A. S. OF E. CONVENTION

(Concluded from page 20)

It is not our purpose to review what followed, but to contrast the condition three years ago with the present, when it should be plain to every reader what he should do to return to the good times when the equitable principles of the old society and its sound plans prevailed.

After the 1907 convention, which was made up of more than 300 delegates, with the changed plans and a new official paper the membership of the society and its influence, began to decline at once. Farmers would not accept the doctrine that organized labor, representing the consumers, must have an equal representation with them on the committee that decided the prices of farm products, and which was one of the chief notes sounded by the new administration. Also farmers were ordered to look for the union label on the goods they bought and reject all others. There were also many other unwise things done that were so contrary to the former teachings and practices that the membership began to dwindle immediately following the unfortunate convention. The new officers were extravagant in expenditures, managed unwisely, and were possessed of so much plain cussedness that was constantly in evidence, that about two-thirds of the membership was lost in the first three months following the convention. Disintegration continued, until the splendid income that the society had in 1907 has ceased and a great debt hung over the organization.

Now for the contrast. As we said the 1907 convention had over 300 delegates; at the 1910 convention, held November 15th., there were less than twenty delegates. In 1907 the prices of farm crops were from 15 to 30 per cent. higher than at present. Then prices were well maintained even for the greatest crops ever raised, now there appears to be no sustaining elements and all the tendency is downward. Then the chief purpose of the convention's assembling was to decide on fair prices. The convention that met a couple weeks ago never discussed prices, but from the reports that leaked out of their secret meetings and were printed in the daily papers, their great concern was how to get money, more money. And this subject was the final work of the convention. We quote from the report printed in the Indianapolis News as follows:

"Before the final adjournment of the American Society of Equity yesterday the convention authorized the issuance of $10,000 worth of bonds, to be sold to members, for the purpose of raising a fund with which to push an active campaign or organization. The old board of directors which are in control of the organization consists of nine members. During the convention a change was made in the constitution reducing the number of directors to five and new directors were elected. After a conference between the old and new boards an agreement was reached whereby the old board shall remain in power until $5,000 of the bond issue authorized shall have been subscribed."

This is another step to buncoe farmers and it is our duty to protect them. In the first place the society has nothing on which to base bonds. In the second place the money is not sought to extend the organization, but to pay indebtedness to the officers and others. When the old board gets $5,000 to satisfy its demands it will retire and give the new board a chance. But few farmers will fall into the trap. They will be unable to sell the bonds and with their last hope of raising money the society will cease to exist, if indeed it has not been abandoned already by the officers, as it has been by the members.

We dislike to write this way, because every failure weakens the confidence of farmers and others in the ability of the farmers to organize and cooperate. But the lesson it teaches is worth risking that. The lesson we want to impress on every reader is, that farmers can combine, that they can decide their own prices, that they can control their marketing and that they can compel their prices when they are operating along sound practical lines, such as obtained up to 1907. We also want them to know that the Farmers Society of Equity took up the work in 1908 where the old society threw it down in 1907; and that this paper is teaching the original principles and plans as it did before 1907, and now it also has the Equity System of Marketing which had not been started then.

In all the time from 1902 down to the present time there had not a single weakness developed in the original plan. The failures all came through departing from them. When the society was for what it was designed it did its work perfectly, no plan ever fitted a business or industry more completely, or gave greater or more perfect results. Now with the expensive lesson of experience behind us, with victory and defeat both on our banners, shall we lie down in defeat, or rally our forces and gain a greater victory than ever in the past? I believe the farmers of America will not lie down and let the foot of the exploiters be on their necks forever. One victory does not usually win a war, nor should one defeat decide a campaign unless the soldiers are cravens. We want to see a spirit displayed that says: we will die fighting with the weapons of cooperation in our hands rather than to live always under the cruel, shameful and unjust conditions that prevailed before 1903 and which threaten us again.

"Come then, since all things call us,
The living and the dead:
And o'er the weltering tangle
A glimmering light is shed;
Come, join in the only battle
Wherein no man can fail
Where who so fadeth and dieth,
His deed shall yet prevail."

This column is for members and subscribers. Use it to ask any questions that may concern you. Others may want a reply to the same question and an answer through this column will cover a multitude of cases. The answers will be made by Mr. Everitt and may be considered reliable.

Question: I have a market at home for all I raise but I want to know where to buy corn and oats without paying several commissions.—J. B. Butts, Fitzgerald, Ga.

Answer: Members and subscribers who have corn and oats to sell please write.

Q. Our local union wants to buy a car load of corn and we have a couple car loads of barley to sell. Will you please give us advice where and how to make the best deals.—Ole Hansen, Secy., Denmark, Wis.

A. We have reported the highest market in which to sell barley. Will our readers who have corn, please offer it.

Q. I understand the system or marketing grain, vegetables and fruit but there are many farmers here who want to know how we can manage to get steady prices for live stock. It is our chief crop.—Wm. Lost, King City, Mo.

A. Prices of live stock will not be steady until the farmers are organized to an extent that dumping will end or be very much checked and the prices are decided by the producers. In the meantime market through The Equity System and avoid a number of toll gates, their charges going to increase the net price to you.

Q. As we are charged 90c to $1.00 a bushel for potatoes here, please tell me of some Equity potatoes that we can get at a reasonable price. The handlers here claim that there is a big shortage of potatoes and that the price will soon be higher.—Geo. D. Wetig, Seward, Kas.

A. Parties having potatoes please get freight rate to Seward and then quote Mr. Wetig.

Q. How shall we know of the responsibility of the Equity System and its representatives, on the various markets?—L. B. Livingston, Morgan Co., Ga.

A. All of them have a good commercial rating for capital and credit and most of them have given a fidelity bond to make honest returns on goods sent them to sell. Members of the F. S. E. can secure a report on any or all on request.

Q. I have about 1200 bushels of potatoes to sell and want your advice about selling now or to store them. I have a good cellar. The price now is 40 cents.—J. N. Wheaton, Tioga Co., Pa,

A. If you can get 40 cents right from the field we advise selling rather than to store. But if the price is less when you are ready to sell, we recommend storing.

Q. Another potato grower in Pennsylvania says: "I have a good crop of potatoes but the buyers are offering only 25 cents. What should I do?—P. S. Conklin, Lackawana Co., Pa.

A. Store them by all means. Store them at home if possible to protect them from frost or too much warmth. If you can't do that correspond with "The Equity System"

Q. I have some clover seed to sell and there doesn't seem to be a very good market for it here. Where can I find a good market?—S. C. Keel, Wagoner, Miami Co., Ind.

A. The crop of clover seed was short and the legitimate price is very high. Don't sacrifice your seed but report it to any Equity System market. Our representatives in the northwest particularly need clover seed. We gave your complete address as some of our readers may want to buy it of you direct.

OUR POST CARD CLUB

DEAR EDITOR: I send the names of some of our biggest farmers, I cannot get out to get a club, but hope to soon. I am sure they will all subscribe for UP-TO-DATE and the lovely post cards. I have been using post cards for five or six years but have never seen any as pretty as yours.—Mrs. Kate Ferguson, Beaver Dam, Ky.

DEAR EDITOR: I send herewith another club of subscribers with my renewal. I also send the names of good farmers who ought to subscribe. UP-TO-DATE is the best farm paper ever sent over the country.—Walter Butler, Chelsea, Mich.

DEAR EDITOR: I inclose 50 cents to renew my subscription and for one of my neighbors. I have taken UP-TO-DATE one year and like it fine. I have not had any of your post cards but my neighbors have them and they are beautiful. Such cards cost here 2 for 5 cents.—Miss Mary N. Howard, Carlisle, Ind.

DEAR EDITOR: Accept my thanks for the beautiful cards and album you sent me. I am delighted with them. I will try to make up another club as the people all like UP-TO-DATE FARMING. — Mrs. Anna S. Asleson, Greenbush, Minn.

DEAR EDITOR: I have been a subscriber ever since you published UP-TO-DATE FARMING and I think it is the greatest paper on earth. I now renew and send a new subscriber. I wish you a long life to continue your good work.—C. L. Holland, Mingo, Ky.

A GREAT INVENTOR

"Who do you think is the greatest inventor?"

"I'm sure it is my husband. He can invent more excuses for not doing things than any other man in the world."

NEW SELLING PLAN A SUCCESS.

The new selling plan recently inaugurated by the Detroit Engine Works has proved a tremendous success.

It gives the buyer of its new kerosene engine the ample time of 15 days to decide if he wants the engine. The buyer is the sole judge—the company in no way attempts to influence his judgment. They have enough confidence in their product to give the buyer every opportunity in the world to work it out.

The plan is one which we wish to endorse as being the only fair and equitable one for the buyer. Write this company regarding this engine.

The Secret of It

"Why do you always put a pitcher of water and a glass on the table before an orator?"

"That," said the chairman of many reception committees, "is to give him something to do in case he forgets his piece and has to stop and think."—*Washington Evening Star.*

THE WOODLAND CALENDAR

I Want to Put One of My Beautiful, Instructive and Useful Calendars for 1911 in Every Home Where Up-to-Date Farming Goes. ---J. A. EVERITT.



THIS beautiful new calendar I had made for subscribers to UP-TO-DATE FARMING exclusively. I believe it will not be surpassed by any calendar for the year 1911 and equalled by few that can be obtained elsewhere. It is a masterpiece of art while the selection of the subjects were most happy for our particular people. Birds are farmers' best friends. Therefore a Woodland Calendar will be welcome in each farm home where it will be a pleasure and a joy to see, and an ever ready reference for full 365 days.

The Woodland Calendar is in three beautiful pictoral pannels which may be separated for framing if desired. The top one shows the harbinger of Spring. "Robins Mating" is the title. Look at them in the picture to the side. The second, "Orioles Nesting;" and the third, "Baby Blue Jays."

They are all careful, consistent reproductions from life. The calendar is produced in twelve colors and the birds look so natural and life like that one, in fancy, can almost hear the cherry call of Robin Redbreast, or the querulous scolding of the Blue Jays, or the soft lingering notes of the Orioles—echoes of the free fields or forests stealing from these charming pictures.

Why affront the lovers of nature with expensive dead birds or artificial ones on the bonnet when you can have them freely, in all their pictured loveliness, from the brush of a celebrated nature artist in my Woodland Calendar? These winged messengers of the air will give a note of harmonious color and free woody atmosphere to every home. The Woodland Calendar gives an artistic charm to any room, is sure to attract every eye and impress your visitors with its novelty and charm, while it will ever interest and instruct the children.

It is true in this case that fine birds made a fine picture.

Size 2 feet, 1 inch high by 11 inches wide.

MY CALENDAR OFFER

I want one of my WOODLAND CALENDARS in each home where Up-to-Date Farming goes. Therefore, for each new subscriber or renewal I will send one securely packed and charges paid if selected instead of any other premium.

The Woodland Calendar is not given as a reward for a club, but to subscribers only.

—WOODLAND CALENDAR COUPON—

MR. J. A. EVERITT, Editor,
Indianapolis, Ind.

I enclose 30 cents for which please send Up-to-Date Farming and the Woodland Calendar for 1911, (The calendar may be selected instead of any other premium, in clubs of two at 25c, of clubs of 5 at 20c. That is, I will send each member of the club a calendar, if it is asked for, and if no other premium is selected. Please read these conditions twice).

My
Name .....

P. O. .....

R. R..... State.....

Is this a new or a
renewal subscription? .....

If you send a new subscriber or a club, attach a sheet of paper here to write them on.

Sharpen Your Tools at MY Expense!

Mail the Coupon for full explanation of our great ten days' free trial offer



10 MACHINES IN 1

1. One Sickle Grinding Wheel (Improved)
2. One Fine Grinding Wheel (Improved).
3. One Coarse Grinding Wheel (Improved)
4. One Harman Special Oil Stone (Improved)
5. One Saw Gummer (Improved)
6. One Sickle Holding attachment
7. One Scythe Stone (New)
8. One Harman Special Razor Hone (New)
9. One Disc Grinding Attachment (New)
10. One Tool Rest.

I will send you a **Harman Special Alectride Farm Tool Grinder,** with ten Grinding Attachments, right to your farm for an absolutely free **free trial** lasting ten days.

I will guarantee that this Alectride Grinder will **not** draw the temper from the steel.

I don't want you to send me any money—not a cent. **I want to make you an offer so liberal that you simply cannot afford to refuse it.**

I will give you the use of this magnificent outfit tor **ten days absolutely FREE**—no red tape, no papers to sign, no obligations of any nature. Just get the outfit use it for ten days just as though it were your own, on your own work, sharpen your sickles, plowshares, cultivator shovels, scythes, axes—anything that is dull—then, if you wish, return it to me at my expense.

Now, I want to tell you why I am making this offer

We know that every progressive, up-to-date farmer realizes the advantage of always having sharp, bright tools to work with. You know how much more work can be done with tools which are always in good condition. You know how much easier your work is and how much longer your tools last. You know all these things and yet—you DO sometimes work with dull tools, don't you ?

I want to prove to you that you can **easily** keep **all** your farm tools in good condition **all** the time with this wonderful. **simply wonderful,** outfit which I will send you **FREE.**

Genuine Alectride Grinder NOT An Emery Wheel

And **Alectride** is the most wonderful abrasive in the world, even hard enough to scratch the diamond. It is really manufactured precious stones, for it is made of the very same substances which go to make up the sapphire and the ruby. Alectride is the most perfect grinding substance known. It is just as much harder than emery as emery is harder than ordinary chalk. A grinding wheel made entirely of pulverized South African diamonds would not grind one bit better or faster than the genuine Alectride wheels which we furnish with this superb machine.

Alectride is manufactured in the most terriffic heat which man has ever been able to produce. A heat so great that it will actually burn up a common brick like so much gunpowder. And in this incomparable heat is produced Alectride. **It is the heat in which the worlds were formed.** Every one of the beautiful irridescent, needle-like crystals is so hard that it will actually scratch the diamond itself. It is these crystals which are crushed up and made into the grinding wheels. It is these inconceivably hard and sharp crystals which cut through the hardest steel more easily than the finest emery wheel will cut through soft copper.

SAVES TIME—EFFORT—MONEY!

You can do the same work in two minutes on an Alectride wheel that would take you at least half an hour on a grindstone, and do it better. **And you can operate the Harman Special Farm Tool Grinder for half an hour with less effort than would be required in running a grindstone for two minutes.** Alectride will grind 25 times faster than a grindstone and 8 times faster than an emery wheel.

We want to prove these things to you at our expense. We want to send you the Harman Special Tool Grinder for a ten days' trial right on your own farm. See for yourself how it will grind and sharpen every tool on your farm. See for yourself that it is time to throw away the grindstone. Send the free coupon for our free booklet describing this wonderful Alectride. **Mail Coupon Today!**

LASTING—BINDING—GUARANTEE

Alectride wheels are so much harder than the hardest steel that no amount of grinding seems to have the slightest effect on them. Alectride will cut the biggest steel file you have in two in five seconds. We give a lasting, binding guarantee with our tool grinder.

Alectride will NOT draw the temper from the steel!

Alectride wheels will not wear in spots or become lop-sided. They will not glaze over. They are not only hard, but they are equally hard throughout. Taere are no soft spots in an Alectride wheel. Alectride wheels will not draw the temper of the finest tool. The reason for this is that Alectride does not heat the article which is being ground as does an emery wheel or grindstone. Alectride cuts and cuts quickly—it cuts so quickly that the steel does not have time to heat.



THOUSANDS IN USE

Read These Letters of Praise

HARMAN GRINDER RECOMMENDED BY GOVERNMENT OFFICIALS

Supt. of Indian School Adds His Praise to That of Thousands of Farmers All Over the Country

Department of the Interior, U. S. Indian Service, Wahpeton Indian School, Wahpeton, N. D.

HARMAN SUPPLY CO., Chicago.

Sirs: The tool grinder shipped to this school has given good satisfaction and appears to be as guaranteed by you. I am enclosing photograph of the school and buildings, and you may use same and recommendation as you desire.

Very respectfully,
W. C. RANDOLPH,
Supt. and Spl. Disb. Agt.

Government recommendation means something. *The Harman Grinder was first tested carefully, approved and purchased. Now, after it has been used and proved its worth in hard everyday grinding and polishing and has been approved by officials who are slow to praise unless they KNOW—don't you think that you should at least TRY this grinder when you can do so at no expense to yourself and no risk? The grinder MUST make good to your entire satisfaction or we want you to send it back. Write for the grinder today and see how much money it will save on YOUR farm.*

Most Useful Machine on Farm

I must say the grinder is far ahead of anything I expected it to be. No more hand power grindstones for me. When I want to sharpen anything I go and do it without chasing up the second party to turn the stone. Not being used to sharp tools, three of my family have slight mementos on their fingers and I touched myself slightly this afternoon. My boy calls it "Pop's" bicycle. Very true that statement that you can use it 365 days a year. I gummed a crosscut, sharpened some knives and a hatchet. I am satisfied that it is the most useful tool or equal to any tool the farmer or anybody else has on his place.
C. J. DOYLE,
Orchard Farm, Westfield, Mass.

If Farmers Knew, All Would Buy

I don't think any farmer would be without one of your grinders on his farm after he has an opportunity to try one. I think it is the best machine of the kind I ever saw. The Hone that I received with my machine is the best stone I ever used, and I have used a great many different kinds. I have tried nearly everything that needs sharpening on a farm on this grinder and it has proven satisfactory in every case.
EMRY BUNNELL,
R. R. No. 1, Nevada, Ohio.

Beats Anything I Ever Saw

Your Grinder is just what every man that has tools to grind should have. I am well satisfied with the grinder. It beats any grinder I ever saw or used. Enclosed find check to pay for grinder.
EBER DePON,
R. F. D. No. 3, Ossian, Ia.

Seven Days Enough to Prove Worth

I have had the grinder just seven days and that is enough to show me that it is more than you say it is, and I have tried it on everything that I could, and it beats the old grindstone all hollow, and I think you will make more sales around here, as there has been quite a few of my neighbors who have seen my grinder work.
BERT LEWIS,
Box 29, Larchwood, Iowa.

Would Not Take Twice Price

After ten days' free trial with your Grinder I can say that I am well pleased with it and would not take more than twice the price for it if I could not get another like it.
V. V. MAXSON,
West Point, Miss.

Another Man Who Knows a Good Grinder

I received your Grinder the 15th and have given it a thorough test. It is much better than I expected, which is enough to say I am well pleased with it. I would not sell it for double the cost and do without one.
K. B. COLEMAN,
Berryville, Va.

SEND THIS FREE COUPON

HARMAN SUPPLY CO., Dept. 3659, 160 Harrison St., Chicago, Ill.

Without any obligations on me, please send me, FREE, your catalog explaining your Alectride Special Farm Tool Grinder, also full particulars of your ten days' FREE Trial Offer, also the interesting story of Alectride.

Name .....

Address .....

.....

No Letter Is Necessary; Just Send the Coupon.

Remember, Ten Days Free Trial!

Send the Coupon Today and get our Grinding Tool Catalog FREE! Also our free booklet explaining all about Alectride, the newest and most wonderful substance known.

Don't wait a minute. Send the free coupon today and post yourself on this wonderful offer. Learn all about the Harman Special Alectride Farm Tool Grinder. Sharpen every dull tool on your place positively free. **We let you keep the machine for 10 days, and then if you wish, send it back at our expense.** But mail the coupon today and get our free booklets and circulars, and get our FREE trial request blank. There is no obligation. You will be amazed at the wonderful results you will get from using Alectride. Anything you sharpen is sharpened better and quicker. Send for our free booklets today. Let us tell you what Alectride is and what it will do for every tool on your farm. Get our free booklets and our special limited offer. Remember, 10 days' free trial. **Send Free Coupon NOW.**

HARMAN SUPPLY CO., 160 Harrison St., Dept. 3659, CHICAGO

Pass This Paper to Your Neighbors : Make It Circulate

Up-to-Date Farming

OUR MOTTO:
FARMERS TO THE FRONT
OUR OBJECT:
EQUITABLE PRICES FOR ALL PRODUCTS
OUR PLAN:
DIRECTED MARKETING

Volume XIII **DECEMBER 15, 1910** **Number 24**

Up-to-Date Farming
PUBLISHED TWICE A MONTH

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JOHN P. STELLE.....Ass. Editor

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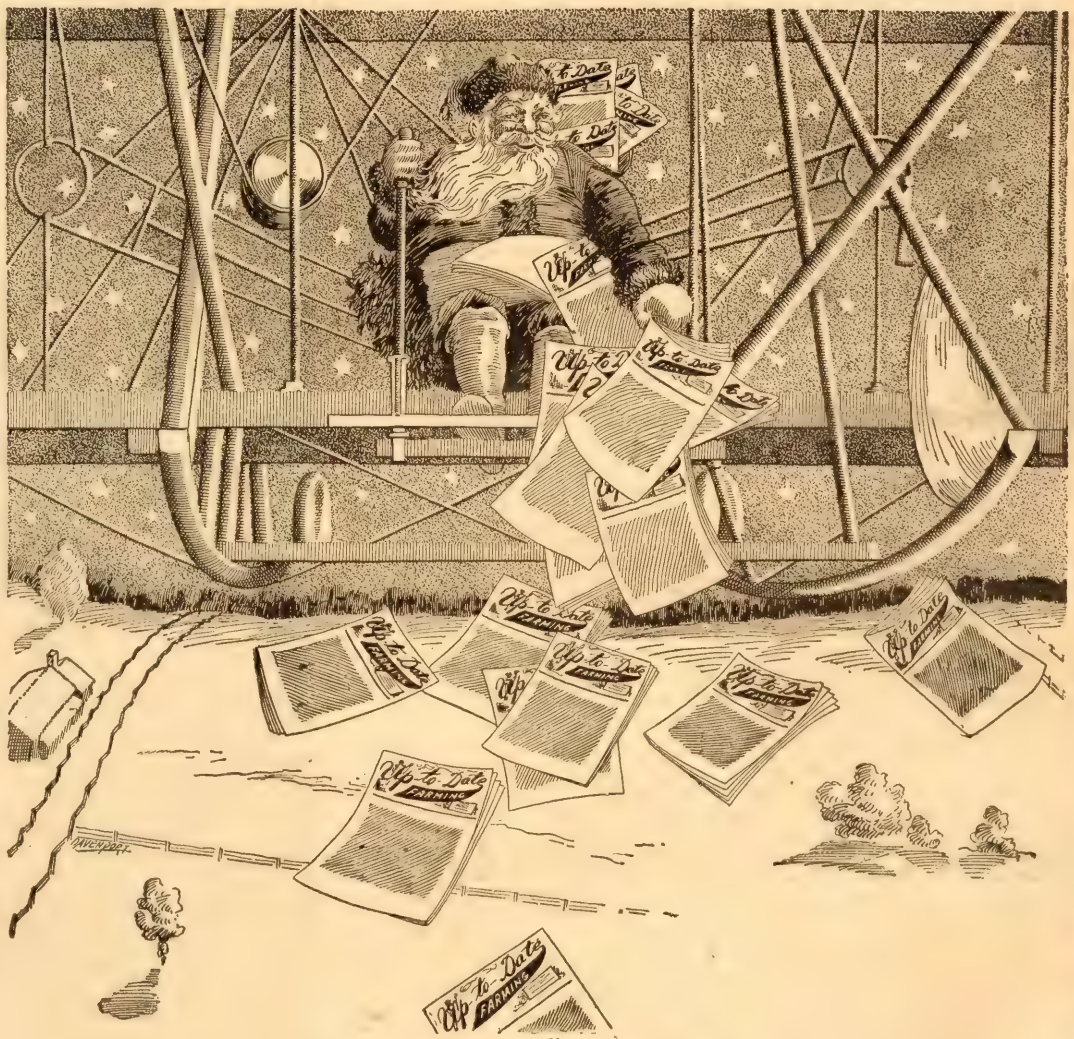
Always state if a *renewal* or *new* subscriber. When renewing always send your address cut from the wrapper, if possible. Always give the old address as well as new when ordering a change. Always write perfectly plain so your address can be read at a glance.

ADVERTISING

RATES will be quoted on application. Only reliable advertisers are admitted to our columns, and we guarantee that they will deal honestly with subscribers. Should they not, we will make good any loss to paid-in-advance subscribers. It is understood that this guarantee is not binding on the publisher unless UP-TO-DATE FARMING is mentioned when you write and you report any dissatisfaction within a month of the date of the paper.

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Santa Claus—"Lets Give
'UP-TO-DATE FARMING'
THE GREATEST CIRCULATION OF ANY PAPER IN THE WORLD"

THE EDITOR OFFERS AS A SUGGESTION TO OUR SUBSCRIBERS THAT THEY PLAY SANTA CLAUS AND GIVE UP-TO-DATE FARMING AS A CHRISTMAS OR NEW YEAR GIFT TO THEIR FRIENDS ON THE FARMS.

THE SUBSCRIPTION PRICE IS VERY LOW. FOR INSTANCE IT CAN BE SENT TO TWO FRIENDS A WHOLE YEAR FOR ONLY 50 CENTS FOR BOTH, OR TO FIVE FOR ONLY $1.00. ITS VISITS, TWICE A MONTH ALL THROUGH 1911, COVERING THE PERIODS OF SOWING, CULTIVATING, HARVESTING AND MARKETING WILL NOT FAIL TO MAKE IT ABOUT THE MOST VALUABLE PRESENT THAT CAN BE GIVEN.

THERE IS NO OTHER PAPER LIKE THIS IN THE WORLD

It is the paper that gets right prices for farmer's crops. Send 50 cents and get it two full years. Each number is worth more than this price.

400 PAPERS TEACH PRODUCTION; THIS ONE ALONE MARKETING

YOUR FIRST and LAST CHANCE

I herewith make the most liberal offer to readers of Up-to-Date Farming. I urge EACH OF THE 50,000 SUBSCRIBERS whose time expires with this number, and who have not renewed yet, to embrace it. Look at the date on your wrapper. Also I invite others, whose time is paid in advance to extend it a year and get all that this offer includes.

By a special arrangement with the publisher of **Farm and Home,** a great national farm and family paper I can now offer our readers that paper one year, UP-TO-DATE FARMING one year, one **Woodland Calendar** and one set of our newest **Souvenir** Post Cards, called **"Princess Charming,"** a set of 12 delightfully beautiful and useful cards. **If ordered on or before January 25th, 1911.**

All For Only 75 Cents

After the date mentioned I cannot agree to accept anywhere near the low price I have now put on this offer. It should not matter whether your subscription expires now or not but each present subscriber ought to be attracted by this offer. The subscriptions may be new or renewals, and may be sent to different addresses. This is a good opportunity to get **Farm and Home,** a **Woodland Calendar** and the **new set of cards** and send UP-TO-DATE FARMING to a friend.

Farm and Home

Deals with everything of interest to the Housekeeper, Farmer, Gardener, Fruit Grower, Dairyman and Poultry Keeper in town or village, and on the farm. Published twice a month. The Poultry Annual number, of February 15th, will be a big and instructive number alone worth more than the price of all.

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This beautiful new calendar I had made for subscribers to UP-TO-DATE FARMING exclusively. I believe it will not be surpassed by any calendar for the year 1911 or equalled by few that can be obtained elsewhere. It is a masterpiece of art while the selection of the subjects were most happy for our particular people. Birds are farmers' best friends. Therefore a Woodland Calendar will be welcome in each farm home where it will be a pleasure and a joy to see, and an ever ready reference for full 365 days.

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It is true in this case that fine birds made a fine picture.

Size 2 feet, 1 inch high by 11 nches wide.

"Princess Charming" Post Cards

A new series of Souvenir post cards that is too beautiful to describe. On each card is a lovely view of water, ocean, lake, river or creek. The views show romantic shores, trees, lilies, boats, ships, etc. Flowers, horse shoes, ribbons and hearts are additional decorations. They are printed in many colors and gold and are embossed. Some of the greetings and verses are:

"Best Wishes" "A Happy Birthday" and

May your life be as bright, and fair,
As loving hearts can make it;

Your future be exempt from care,
No "rainy day" o'ertake it.

This is one of the latest productions in post cards and I know our young friends will be glad to get them.

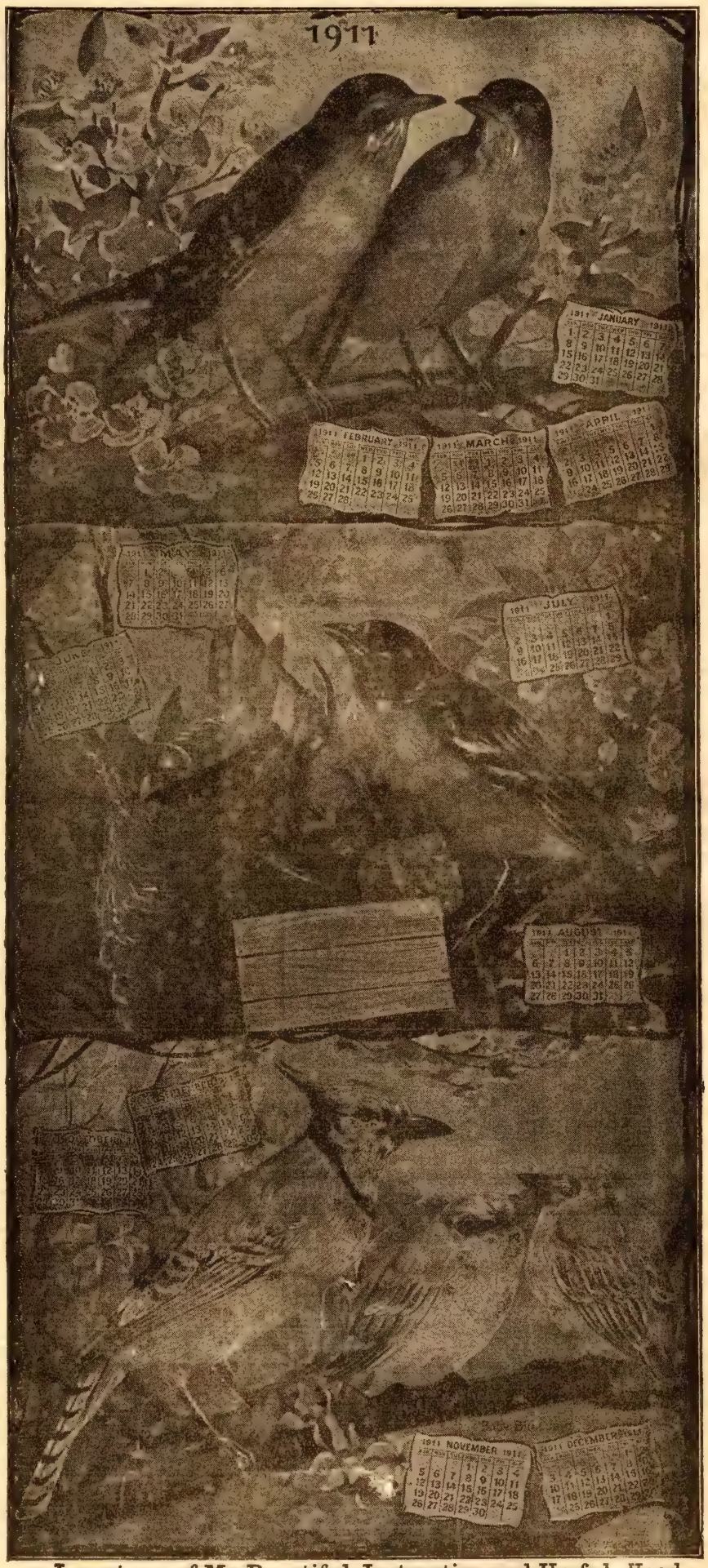
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EDITORIAL

Inevitable Fall of Price

OF course the autumn talk is on the wires—in the air, we used to say, and we may say it again to some purpose when the wireless becomes more common. At all events, the talk is now about the big crops. And prices must come down. Why? Because of big crops. Let Secretary of Agriculture Wilson tell how it is:

> We have had bumper crops, and meat prices should come down; that is if no combine is formed among the dealers. My views apply to all kinds of meat. The crops have been such that a falling in price is the inevitable result. The only thing that can defeat this will be the taking of too great a toll after the products leave the hands of the farmers and before they reach the consumer.

We see in that saying of the Honorable Secretary more points than one that are of special interest to farmers. In the first place, big crops bring down prices. That is considered by the Secretary, and by us, as a general truth, a logical proposition. It is sure unless something outside intervenes. It means what we have many times said and sustained by proofs, that the more the farmers, as a whole produce the less they will get for it as a whole. This may seem to the uninformed like an empty declaration, but the Secretary of Agriculture's records show that many small crops have brought more in the aggregate than large crops of the same product. Hence the Secretary knows what he is talking about.

But what of those who never teach farmers anything but how to produce, and urge them all the time to produce more and more? Do these teachers realize that the farmers may follow such instruction to their own individual ruin and to the injury of agriculture? Teach how to produce in the very best way, but teach also how to gauge the production to meet the demand, and market so as to secure equitable prices.

But two other elements enter into the Secretary's declaration; "if no combine is formed among the dealers," and "the taking of too much toll after the products leave the hands of the farmers." It will be noted that these two contingencies are not to benefit the farmers. The price to the farmers is to go down any way on account of the big crops, but there may be a combine among the dealers to keep up prices to consumers and thus make the dealers' profits greater, or too much toll may be charged after the farmers sell, and thus make a continuation of high prices to consumers necessary.

But allied with Secretary Wilson's Department of Agriculture is a Department of Justice, and there are laws that prohibit just such combines as Mr. Wilson fears. If men steal horses or commit murder with impunity and go unpunished, who is to blame? And there are laws against extortion. If too much toll is taken any where to the injury of any class of people, and involving a civil wrong in unjust exactions, what is the matter with the courts? If either of these things, Mr. Wilson, that you deprecate, should come, could not you invoke the aid of your co-ordinate department and see that it is stopped? Farmers want equitable prices, and they want consumers to pay only equitable prices, with no "combines" or "too great toll" between them.

The Equity System and Grading

NO crops of farm products are all alike, no matter how careful the culture and handling. There are grades, and markets have their standards of quality. This grading is one of the greatest difficulties of farm marketing. Farmers are so accustomed to sell their products as they come from the fields that they are much inclined to do the same thing when they ship. This brings stuff to the market that will not grade to the standard, and there is a rejection or a docking that brings dissatisfaction to the shipper.

This is also a serious obstacle to direct shipments. In such shipments the products go directly to the retailers, and if the products are of off grade, as is too frequently the case, bad results follow. The shipper loses standing with the trade, the products from that point come into disrepute, consumers refuse to buy without close personal inspection, and that precaution very soon extends to the retailers, and direct shipments go into disfavor.

Grading, therefore, is an important element in marketing, but it is an element which does not interfere with the Equity System. It will be the business of that system not only to know the markets and the requirements of each, but it must know the standards of quality also. Nothing goes to a point that is not adapted to the trade or requirements of that point. The fact that goods have arrived through the Equity System must be unfailing proof that those goods are what the people want. This, of course, requires grading, and the grading is done at home, or, at farthest, not beyond the shipping station; and it is done by the authority of the System and brought up to the required standard. Then when the goods arrive at their destination there are no reports of off grade or bad condition. Representatives of the System will supervise it all, and often the producer or shipper realizes more for the stuff that made the grade than he would have realized for the whole had all gone together. Besides, he saves freight and has the inferior stuff left.

This inferior stuff, no matter what the crop, is of more or less value. If apples, for instance, the culls go into the press for cider or vinegar; if potatoes they may go to the starch factory or to the feed lot or pen. All may be converted into value of some kind, and it is a part of the work of the Equity System to find this use and direct to the greatest possible value.

This is no chimerical dream, let us assure the reader. It is just as easy to see to proper grading and put in the very best condition for marketing, as it is to find the markets and secure the prices; and it is just as easy to learn where the culls may be used to the best advantage as it is to know the best markets for the better stuff. The whole thing is nothing more than business, directed along different lines, it is true, and directed to different ends and results, but it is only business after all.

Farmers Profits Are In Marketing

A writer in the Northwest Farmstead deplores the uncertainty of prices. Speaking of the potato crop as a specialty, he says the last two years have not been good. Last year, he says, a lack of rain in July and August cut the yield to a low figure, and then the product found a market that was "a heart breaker for a beginner." As a result, the writer continues, a great many are abandoning the crop.

As a proof of the uncertainty of price, he mentions the case of a farmer who one year had a yield of 225 bushels per acre, and sold the crop readily at 50 cents per bushel. The next year his yield was only 120 bushels per acre, and the best price he could get was 42 cents per bushel. Another year he made only 100 bushels per acre, and had to sell them at 30 cents per bushel.

This is a pretty good illustration of the markets under the system that has prevailed for so many years. One class of farm teachers urge the production of the greatest possible quantity. Another class tells us that the price is made by the law of supply and demand. These two lines of instruction are mystifying. According to that rule, the greater the crop the lower the price. In the case cited the largest crop brought the highest price, and taking that crop as a basis, the 120-bushel crop should have brought at least 80 cents a bushel, and 100-bushel crop should have brought a dollar a bushel; and then the smaller crops would have been short in value.

It is very clear that supply and demand had nothing to do at all with it. It is the uncertain, indefinite, greed and speculating system of marketing. Had those potatoes been sold where they were needed, as there were many such places during each of those years, and shipped direct to the users, there is not a doubt but they would have brought steady and remunerative prices. But the system of dumping a crop on over-supplied markets, enables a small section to beat down the prices for the entire country, and destroy the profits there ought to be in agriculture.

This is exactly what the Equity System guards against. It is based on the logical truth that it is the business of farming to supply the world's need for farm produce. To do that it must know where those needs are, and send the stuff to those that need it. It holds also that in thus filling its mission, farming is entitled to an equitable reward, and to receive such reward prices must be steady and profitable. Friends of the Equity System contend that this kind of marketing, accompanied by direct shipments, will secure both these results, and still furnish the supplies to the consumers at prices below what they now pay. We ask not only the potato growers, but the growers of all crops, to not only study the Equity System, but to **PRACTICE IT.**

The Farmer and His Business

THE farmer is a bigger man than he thinks he is. The census is "showing things," and it is the duty of everybody to get wiser by what the census shows. That is what the census is taken for.

Among other things, the census shows how big the farmer is. He constitutes nearly a third of the country's population and farm products make up nearly a third of the country's commerce. All the rest of the country's people and trade put together, makes only two of him. But, asks one of our leading exchanges, of the money spent for public improvements and human conveniences, how much goes to the benefit of the farmer or to the bettering of the farm? Millions are required to build battleships, millions to build and garrison forts, millions to support an army and navy, millions to improve harbors and rivers, millions to subsidize railroads and induce them to carry the mails, mostly for the other fellows; but how much is spent to improve public roads, make better country bridges, protect overflowing lands, instruct the farmers as to markets and marketing. How much? Count your fingers. Can you find out?

We are not saying the farmer is not getting along. He is tolerably well, thank you. But he has made himself so. He has paid for the other things, all right, for the wealth possessed by nearly everybody else was created by him, and he is beginning to want his share of attention and the public spoils. He does not want it in the shape of boodle, but he wants it in benefits, not for himself alone, but for all who are "within his gates." He needs better roads, and it is as much the government's duty to make them as to improve the rivers. He needs better and more equitable marketing, this for the good of all, and to encourage a better system is no less a public duty than it is to shut out, for the benefit of one class, manufactured goods by tariff taxes and make the farmers pay them.

Mr. B. F. Yoakum told the Oklahoma farmers not long ago that the cities are growing faster than the country districts, and the reason he gave was that the money is pouring into the cities to make them grow. Where is it pouring from? From the agricultural districts of course. We think it is time for the tide to turn—a little anyhow. The farmer is big enough to be seen, and he undertakes, and actually does enough to be helped. There are many things that need improving, and if the farmer is wise he will keep his ear to the ground and his hand above his eyes that he may know what is coming.



Our Own Millionaires

OUR readers know that our work of publication is so great that we must write some days in advance of the date of the paper, and when we treat of current events there is danger that those events may be materially changed before the paper reaches the reader. It is not like printing a daily, where everything, good, bad and indifferent, is set to instant publicity.

At the time we are writing, however, the revolution in Mexico, or what at this time threatens to be a revolution, is taking a serious turn, and it is claimed that American millionaires are largely responsible for the dissatisfaction and uprising. A recently elected member of the United States congress, accuses some of our money kings and industrial monopolists of so influencing and manipulating Mexican affairs as to divert the interests of the country to their own gain, and make the oppression of the people intolerable. The Congressman-elect from whom we quote, is reported to have said:

Mexico is the most miserable and most wretchedly governed country in the world. Besides the foreign exploitations of Americans, Germans, Englishmen and Frenchmen who are making Mexico the field of their financial and industrial speculations, there is a native aristocracy—a sort of land owning aristocracy which dates back to the time of Spanish rule. These are even worse and more cruel than the foreign fortune hunters.

We can readily believe that there may be something in that. In spite of all the safeguards thrown around the people in this country, the concentrated wealth and monopolized interests are a constant menace to the welfare of the masses and the public good. So completely is the money controlled by the financial institutions that a panic, independent of conditions, could be precipitated at any time, and some of our greatest industries are so monopolized that the ordinary citizen struggling for a living has no chance in competition therewith. They, that is, the masses, can be enriched or starved at the pleasure of the combines. This was undoubtedly proven very recently in the tremendous cost of meat while prices paid to farmers were little more than equitable, in many cases below the equitable, when compared with surrounding values. "If these things can be done in the green tree, what shall be done in the dry." The people of Mexico have our sympathy.

The Big Ranches Are Leaving

THE largest herd of buffalo now in America belongs to Charles Goodnight, and is kept on the great Goodnight ranch in the Texas Panhandle. But this herd, we are told, is to be moved to Mexico, together with the vast amount of other stock that is kept on the famous Goodnight ranch. Other large cattle ranches, it is said, are also leaving this country for Mexico. The dispatch from which we quote says:

The Goodnight ranch is but one of the many that are now being moved to Mexico. The cutting up of the large cattle ranges into small farms has been the cause, to a great degree, of the exodus. Gradual encroachments of the homesteader and the farmer are driving the cattlemen out of business in the United States. There is no more room for the great herds.

We regret for any business enterprise to leave the United States. It seems to us we have room for all, and we would extend a welcoming hand to every honest and honorable industry; but when a business reaches a point where it cannot be satisfied without the whole earth, it may be as well for it to leave. The cattle raising industry is one of nation-wide importance. Almost every farmer is a stockman. The world must be fed, and it takes a vast amount of meat to feed it; but it is more conducive to general prosperity for every farmer to furnish a portion of that meat supply than for the bulk of it to be furnished from all-out-door ranges on which feed thousands and thousands of cattle in competition with the pastures and feed lots of the farmers.

Besides, the thriving people of the United States need homes and farms to cultivate and produce crops upon —homes in which to raise intelligent and honorable families, useful men and women, and when room for these homes and farms becomes scarce, it is entirely proper that these western ranch regions be opened to the building up of such homes.

Farmers need not so much fear the ranches across the Mexican border. Expenses may not be greater on the Mexican plains, but transportation and possibly a tariff will compel the foreign herders and ranchmen to give the American farmers a chance. And meat eaters need not be alarmed. The American farmer is equal to any emergency. Give him a chance and Equity, and he will "do the rest."

Making Better Roads

IT is very clear that if the farmers wait for the government, state or nation, to make good roads, or for material aid from public sources in any way, they are likely to draw their loads over rough places and through mud for many years. In fact, public work in recent years, seems so hedged in with graft and boodle that one naturally dreads to see a great public job undertaken. Such jobs have come to cost much more than private jobs of the same character, and since the people must in some way pay it all, many needed public works are not urged and are done without for this very reason.

In this category we may place the public building of good roads, but reports reach us of the voluntary building of a road by the citizens of a neighborhood. A section of road was decided upon, a leader chosen, a day set, and the neighbors with tools and teams distributed themselves along the road. The road and the workers were divided into sections, the work itself was systematically laid out, and each performed his part with honest faithfulness. In one day there was a good road where a bad one had been. It only remained to make provision for dragging the road at proper times to secure to that neighborhood the benefits of a good road (only a dirt road, it is true) during the future years, so long, at least as the systematic work and dragging are kept up.

We see in this an example for other neighborhoods. If the people of every neighborhood would thus unite to improve their own roads, and do it systematically and well, a very brief period would make a great change for the better in the country roads; and then the public road work and road money could keep them dragged and in repair. Where everything is favorable, stone or hard roads might be built. Farmers, united, in a farming neighborhood, can do anything they try.

What a glorious opportunity this affords to F. S. E. Local Unions. Such farmers are already united, and it only remains for them to lead out. The ladies would provide them a picnic dinner every day they work.

Herbert Kaufman said:

"Hurry more and you'll worry less —worry is a parasite without the power of action. It can attach itself only to men who stand still." Farmers worry chiefly because they are standing still as regards marketing their crops and allow others to decide the prices and terms of sale, consequently their wages and profits. The amount farmers lose each year because of the lack of a marketing system, and which they now worry over, would establish the EQUITY SYSTEM and maintain it for many years.

WHAT IS CHRISTMAS?

Before another issue of UP-TO-DATE FARMING reaches its readers, another Christmas will have been added to the years that are gone. How fast these annual days come to those who are getting old, and how slow they are coming in the strangely laggard years to the young! Once more the sleighbells of Santa Claus ring in the dreaming ears of childhood, and again the memory of sober age turns back to other years when, surrounded by other lives, Christmas brought festivities, joys, hopes, that the face must turn back to see, and the heart must beat as in other days to feel.

But what is Christmas? The heathen world that had not much to do and less to think about, had to have seasons of amusement. When Christianity came and roused humanity to thought and action, these festive days were, as far as possible, turned to good account. One of them was seized upon to represent the birth of Christ, and that is our Christmas. Some of the heathen customs still cling to it, but it is really a day of love, of gratitude, of thankfulness and good deeds. These are also manifest in every Christmas in civilized countries, and are seen in gifts, in love tokens, in good wishes, and in kind deeds. So strangely mingled is heathenism and Christianity! It is so all over the world. The good and the bad are found together. The tares still grow with the wheat.

But we do not know anything better we can give our readers at this auspicious time than the following words of Dr. Henry VanDyke. They get to the better, the inner life of the Christmas time:

Are you willing to forget what you have done for other people and to remember what other people have done for you; to ignore what the world owes you and to think what you owe the world; to put your rights in the background and your duties in the middle distance and your chances to do a little more than your duty in the foreground; to see that your fellowmen are just as real as you are, and try to look behind their faces to their hearts, hungry for joy; to own that probably the only good reason for your existence is not what you are going to get out of life, but what you are going to give to life; to close your book of complaints against the management of the universe and look around you for a place where you can sow a few seeds of happiness—are you willing to do these things even for a day?

Then you can keep Christmas.

Are you willing to stoop down and consider the needs and the desires of little children; to remember the weakness andl loneliness of people who are growing old; to stop asking how much your friends love you and ask yourself whether you love them enough; to bear in mind the things that other people have to bear on their hearts; to try to understand what those who live in the same house with you really want, without waiting for them to tell you; to trim your lamp so that it will give more light and less smoke, and to carry it in front so that your shadow will fall behind you; to make a grave for your ugly thoughts and a garden for your kindly feelings, with the gate open—are you willing to do these things even for a day—Christmas?

Then why not for every day?

WHAT SHOULD BE THE METHOD AND PURPOSE?

The organization of the farmers has been a matter of study and actual experience since the organization of the "Patrons of Husbandry" in 1867. This society reached over half a million of members. The "Farmers' Alliance," "The Grange," the "Farmers' Union" and other organizations followed it and have demonstrated the possibility of organizing the farmers.

The great questions to be considered in organizing the farmers, are the purpose and the method. The purpose must be to secure his rights, not his advantage over a rival or an enemy—simply an intelligent purpose to secure justice. Then the method should be wise and just.

The failure of all the societies so far, in the interest of the farmer, has been due to a lack of wisdom in the purpose or the method. And these cannot always be understood without an effort and a trial of this method or that, and even of this purpose and that. While all former societies have had good purposes, some of them have had utterly impracticable methods, such as seeking to break down the power of some great body of commerce, a railroad company for instance, or a coal company that had been organized and operating for a lifetime. And they undertook such gigantic problems notwithstanding the fact that they (the farmers) were not agreed as to their own purpose and not sufficiently organized to accomplish the purpose. Or, to make another illustration, they have undertaken to set prices on the other fellows' goods when they had not reached the enivable position of setting prices on their own commodities.

Think of men helpless in the hands of others, trying to whip the others on the others' ground. Or, think of farmers not one-tenth organized, being all the time unable to price their own goods, trying to walk over into the enemies' territory of pricemaking and dictate to the merchants, railroads and other corporations the price those people should make to the farmer. Might as well try to overturn Pike's Peak.

Farmers have now had sufficient experience with corporations to know that they cannot put the price on other people's goods. They have tried to circumvent the lumber trust, only to have cars of lumber stolen in transit. Tried to buy coal at wholesale with the same result. They absolutely cannot price other men's goods.

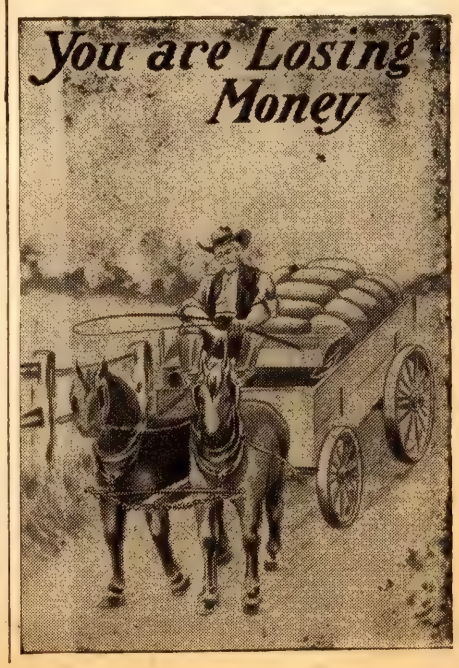
It is utter folly to suppose that the farmer can accomplish anything without concerted action, and he can have this only through sound organization. The first thing in solving the farmers' problems is a knowledge of the real situation. The key to the whole complex tangle is to begin at the beginning—right at home, with his own stuff. He is able, if organized only to a small extent, to set a price on his own crops. He can keep his hogs and cattle in the corrall till he gets his price for it. He can keep his grain in his own granary till he obtains his own price for it. He can not go over into other people's business and price goods but he can stay on his own premises and price his goods. And this is the only hope of the farmer.

Other business organizations, by combined action, are lifting the price of everything the farmer buys and he has no alternative but to sit down on his goods and hold them till he gets a fair price for them. This he can do, if organized, as surely as the world must continue to have food and raiment. "Let the world starve or pay you living prices," is not a bad motto in these times when everyone must look out for himself.

Every man who is acquainted with the situation knows that the farmer as yet has had very little to say about the price his stuff will bring; that he is obliged to take just what the market offers him. The whole road to market, as well as the market, is organized against him.

Now, my friends, there are 400 farm journals that are trying to help you raise larger crops, but they have not one word to say to you about the all-important thing of price. And as I said in my last, statistics show that you get less money for big crops than you do for small ones. So what do you think will help you most, and who is your real friend, he who helps you raise a great crop, which will cost you more to raise than a small one—more to plant, cultivate and market—or one who shows you how to get your rights in the markets? If you organize and hold your products of the farm, that all the world must have, you cannot be denied the privilege by the railroads, by Congress nor anyone else. You have this supreme right, and you can do this easily; but you cannot set a price on other people's stuff, nor you can not compete with the trusts in getting legislation to help you out. No use to try. But you can starve Congress and the world to death or have your rights if you will simply organize and co-operate and, I will say, sit down on your stuff and wait till they hunt you up and pay your price.

E. R. WILLIAMS, Chandler, Okla.



The Farmers Are to Blame

Yet They Hold the Solution in Their Hands

H. GARD

"I tell you Jake, it is simply outlandish the way Jeffers treated the widow Boestler in that hog trade." The speaker was Dow Jay. Jake and Dow Jay were looked up to as the salt of the community. They were about the whole push in the church and Sunday school.

Jake scratched his head and then unconsciously ran his fingers through his black whiskers. "I heard something about that and it does seem that we folks who try to do right are skinned at every turn. Now there is the widow. God knows she works hard. Her son is so lazy that he will not wipe his face after washing it. The widow has to do all the work in the house, all the milking and last week I saw her laying off the potato patch. That afternoon Charlie Jackson saw her planting the potatoes. Only yesterday I saw her breaking the corn ground. Jeffers knows how hard that woman works for less than a month ago, I heard him telling a bunch of loafers in the grocery that the widow Boestler was the hardest working person he ever saw and he travels all over this section buying hogs for the Indianapolis market. He told the men some one ought to take that lazy husk of a son to the woods, tie him to a sapling and horse whip him until he couldn't stand up. And now to think that Jeffers himself would pay the widow only 6 cents for her hogs when he was paying others 9 cents. He knew the widow had no telephone and that she did not take any paper, so knew nothing of the market; anyway she wouldn't have time to read, even if she had a dozen papers. He just took advantage of her ignorance."

Dow hung his head, kicked the clod at his feet and said things are going from bad to worse. There is no use trying to build up the moral standing of the community. We have petitioned God to help us but he doesn't seem to pay any attention to us. The Bible says if one should smite us on one cheek, we should turn and let him smite the other cheek too. These fellows who do the smiting, do not want to stop with the second slap, but want to maul our heads off."

"I tell you, Dow, I've been thinking about that very thing and have concluded that if we are so thoughtless and weak as to let a fellow smite us once, we really ought to be cuffed about pretty lively. We ought not to let him have the first thrust. I have about concluded that you and I are as much to blame for the present status of affairs as are the fellows like Jeffers. I believe we would be justified in going to Jeffers and saying,—Here now, you've skinned the widow Boestler out of at least $48.00. Now then, you go and give her $50.00 or we will wipe the earth with you."

"The more I think about it, the madder I get. Why just today, I read in the papers that in New York City the women have to pay 9 to 10 cents a quart for milk for their babies, yet the farmers in the country receive only 3½ to 4 cents for it. The freight isn't much. The dealers tell the housewives that the farmers are demanding exorbitant prices for things when every one of us is as poor as Job's turkey. It isn't right. It creates class hatred, it pitches the consumer against the producers and makes them feel that where we should give them unadulterated service, we hand them a lemon. Why, these middle men create the rankest kind of injustice. The truth is that many of the farmers are compelled to give up the dairy business and sell off their herds. I believe the consumers and the producers ought to get together and adjust this thing between themselves and let these middlemen go out and work for their living.

"The Indians had more system about some things than we farmers have about our business. They did know enough to combine and hit a common enemy as a single battalion. We farmers don't even know how much of any thing we have to sell. The Government doesn't know the first thing about it. For instance in October 1908, the Department reports read 68.7 points and the final estimate was 278,985,000 bushels of one grain. Last October conditions indicated 78.8 points. That would indicate about 320,000,000 bushels if the former year average governed. But what do you think, the final estimate came out the other day as over 375,000,000 bushels. Then another thing, potatoes have been commanding fairly good prices for a year or two. Last year, it seems all the farmers went daff on potatoes. They thought the world wanted nothing but potatoes so this year's crop was a high stepper. It stepped so high that it overreached and potatoes are now worth 20 to 25 cents.

"And listen, the President of the N. Y Central R. R., his name is Brown, I think, but anyway, he was talking the other day and said he lived in a flat with about forty other families. He stated that it took twenty grocery men and butchers to serve those forty families. If they made one trip a day each, they made four or five trips a day. Think of that, will you? And each Tom, Dick and Harry of them had a delivery boy horse and wagon. Where do you think the living and up-keep of all these came from? Certainly it had to come from the profits of the things the farmers grew.

"I'll bet you anything, if it was sifted out, you would be appalled to find that all these strikes, all these labor wars, all these slums, most of the hospitals most of the depleted farms, your and my many ups and downs, the impassable country roads, our 'ram-shackled' houses and barns, these exorbitant prices which make our land sound like the wailings of purgatory are caused by three or four things,—the unscrupulous middlemen, the low-down trusts, the tariff and lastly us farmers. Some trusts are good, but the low-down ones are not. Some middlemen are all right, but the bad ones are not. The tariff wasn't made by good men whose hearts are flooded with love for the common people.

"We farmers hold the cure in the hollow of our hands. We could know just how much wheat there is each fall, how many potatoes, how much corn, how many oats, how much rye, rice, tobacco, cotton, how much stock, how much everything, every single day of the year, the very minute the last grain fell from the thresher spout, the very minute the sow farrows, or the cow calved. We could know these things, if we would. What is more, we could know just how many acres are planted to each crop and above all, we could regulate it so there would be no gluts. Then, *then, THEN*, Brother, we could name our own prices. They would not necessarily be high prices but they would be PROFITABLE, EQUITABLE PRICES,—EQUITABLE IN PROPORTION TO THE GENERAL LEVEL OF PRICES, EQUITABLE IN THAT THEY WOULD REPRESENT AND MEASURE SO MUCH FOR LABOR, SO MUCH FOR SEED, SO MUCH FOR FERTILIZER, SO MUCH FOR UP-KEEP, SO MUCH FOR PROFIT. We could show the world an analysis of our prices, item by item, and would not be ashamed of them, the consumer would gladly pay them. The laborer in mine, in factory, everywhere could live cheaper, and would not be compelled to fight and threat and burn in order to command a living wage. The world's hungry would be better fed, there would be less disease, less penury, less want, less need for hospitals.

"The farmers must learn to PRODUCE RIGHT, TO PRICE RIGHT, TO DISTRIBUTE RIGHT. They must learn to combine and have a say about our tariffs, about our naval policies, our irrigating schemes, about everything that influences our lives and our schools and churches and boys and girls. The keeping of our laws is in our hands, the making of them must be in our hands. We sweat, we grumble, we skulk in our tents when we ought to be out in the fight championing the right. As busy bees we go into the fields and gather luscious honey, then let the gamblers rob us and the politicians fare sumptuously every day. We build a nest and let the cuckoos brook in them.

"Why up here at Chicago, the gamblers go into the market pit and beat down the prices of our products or prop them up as they please. They have no more conception of how much a bushel of wheat costs than a hyena in the African wilds. They know not how much sweat, how much labor, how much *fear of* flood and drowth, how much sacrifice enters into the production of a bushel of the world's food and they care less. They beat down the prices until you lose money and that takes from your child the opportunity, the education, the ambition, the inspiration that is his due and which he must have if he amounts to anything in the world. It takes the duds from your back, the leisure from your days, the ease from your fifty years of labor, refinement from your brain and throws you up against a cruel fate. It keeps your wife forever in the calico frock, your girls never learn the noble charm of the sweet keys, nor the refinement that comes from associating and mingling with cultured people. Then again these gambles prop up the prices until a grave injustice is wrought against the consumers, the fellows who eat the things you and I produce. They are then denied the very same things you and I are denied when the prices are beaten down. We could combine, we could keep our grains and fruits from the gamblers' hands and put them into the hands of the consumers and make them our everlasting friends. I tell you brother the 'fault IS NOT IN OUR STARS; BUT IN OURSELVES; THAT WE ARE UNDERLINGS.'"

The two brothers parted but the seed is being sown. Equity must rule, if not today, then to-morrow. It means better, more intelligent men and women. It means the golden age on the farm. Jeffers must make a square settlement with widow Boestler.

Any reader of UP-TO-DATE FARMING who is interested in automobiling will get a lot of information if he writes a postal card to the Maxwell-Briscoe Motor Co., Hess St., Tarrytown, N. Y. They will send you books explaining the operation, usefulness economy, making, etc. of an automobile. This information will be worth many dollars to any farmer. We advise you to write and get it free.

Some of the most forceful advertising appearing in farm papers is that of the Wm. Galloway Co., 509 Galloway Station, Waterloo, Iowa. It rings true. All readers are advised to send for the free catalogues offered by the company. We believe it will be worth your while. You don't need to buy. A postal card will do. If you can make money by using Galloway implements, engines, spreaders, etc., then you can buy. It is up to the Galloway Co. to "show you." Ask them.

A Common Fate

"It is a terrible thing," said the prisoner, "to be known by a number instead of a name, and to feel that all my life I shall be an object of suspicion among the police."

"But you will not be alone, my friend," replied the philanthropic visitor; "the same things happen to people who own automobiles."—*Washington Star.*

A MAN Away off in the State of Washington Got My Booklet and Immediately Started for the O'Connor Ranch



He saw the possibilities. He wanted to investigate first hand. He came all of 2,000 miles to see. He made a 4,000 mile trip to buy my lands.

I want to tell **you** all about the Famous O'Connor Ranch. Then I want you to go and see it. See the rich soil, lying ready for your plow. See the new city of Port O'Connor on our land. This is a deep water sea port, growing very fast. You know what a thriving little city means to the value of your land. Buy near town—come with me and look it over now.

FAMOUS O'CONNOR RANCH

In Calhoun County, Comprising 70,000 Acres

It is the Best Because—

—the land is unsurpassed in richness and quality.

—it is bordered by the Gulf and Bays on three sides.

—it has a railroad through the entire length, 19 miles, and no farm will be more than five miles from the railroad.

—it has a Gulf port, Port O'Connor, which is destined to be one of the important cities on the Gulf.

—it is on the great new Intercoastal Canal.

—the land is underlaid with artesian water and 23 wells are now flowing on our land.

—the water is pure and plenty of it.

It is the Best Because—

—the rainfall is more abundant than farther south, average 38 inches rainfall well distributed throughout the year. (Rainfall in Indiana about 36 inches a year.)

—the greatest variety of crops can be raised, cotton, grain, fruit and vegetables.

—early vegetables and fruit grown here find markets in the North at fancy prices.

—the water shipping facilities gives this section low, competing freight rates to the great Eastern and Northern markets.

—there is no winter and the cool gulf breazes make the summer delightful.

This is What You Can Do Now

You can go with me on the next excursion and select a farm on the railroad that might become a townsite. Or on one of the beautiful bays where it will be a pleasure and constant delight to live and enjoy such hunting, fishing and bathing as cannot be surpassed anywhere. Or interior land if you prefer. And remember: on any of this land you can have **crops growing every month in the year.**

The land is level; no stumps, or stones, but is ready for the plow. Locate your farm, begin work and sell crops in a few months.

Being nearly surrounded by water, the climate is cool, with Gulf breezes. There is no winter and there is no sweltering summer. Never has been a tidal wave and never can be as it lies too high and is protected by islands.

I am not attempting to tell you all about the **FAMOUS O'CONNOR RANCH.** It takes a book to do that and I want to send you one. All I hope to do in this advertisement is get you interested. I invite you now to go and see for yourself. If you do not delay you can select one of the choicest farms that will produce more per acre than farms worth $150 to $200 an acre in Indiana or Illinois. Land no better than ours in this section is selling for double our price and it is not nearly so well located. We are owners—not agents—and want to develop the town as well as to sell farms.

Let me send you my book and full particulars, then you can decide. Don't try to decide before you get it, if you want a home and business, or if you want to invest in land that will double and triple in value in a short time. Send the coupon or write a postal card.

CALHOUN COUNTY CATTLE COMPANY

C. H. LEE, Manager Indianapolis Office

INDIANAPOLIS INDIANA

— — — — — — — — THIS IS THE COUPON — — — — — — — —

MR. C. H. LEE, Indianapolis, Ind.

Dear Sir: Please send me free full particulars of the O'Connor Ranch lands, prices and when your next excursion will go. I am interested in a farm of.....acres.

My name .....

Address .....

Standard Among Drilling Machines

The oldest established manufacturers, the largest line of drilling machines and tools, and 41 years of successful operation in nearly every country in the world, make



American Drilling Machines

Standard the world over. For every possible condition of earth and rock drilling and mineral prospecting we make a drill especially designed for the requirement.

Catalog No. 105, the most complete "drill hole" catalog ever issued, Free.

The American Well Works

General Office and Works, **Aurora, Ill.**

Chicago Office: First National Bank Bldg.

MAKE YOUR OWN ROPE



The handiest little machine ever invented for the Farmer. Simple and easy to use. Makes strong rope from binder twine better than factory rope. It's always ready and will save you hours of delay. You can make just what you want in 3 minutes—rope of any size and at less cost than factory rope. Agents wanted. The Ideal Rope Machine sells for . . **$1.50** Cash with order. **E. O. BERG MFG. CO., Madison, Minn.**

—WHEN YOU WRITE—

to an advertiser always take special care to

WRITE YOUR NAME PLAINLY

including the full address. You know what you mean but no one else does unless he can read it. Many mistakes and delays occur because names and addresses are not written plainly. Print it if you can't write good.



ELECTRIC Steel Wheels

Fit all running gears. Get a new wagon just by buying wheels. Unbreakable, almost everlasting. All heights and tire widths. Also new Electric Handy Wagons. Write for book on "How to make old wagons new." Free.

ELECTRIC WHEEL CO., BOX 54 QUINCY, ILL.



Make Your Own Repairs! Mends Harness, Shoes, Canvas; Myers' Sewing Awl makes lock-stitch like sewing machine. $1 postpaid. BIG MONEY FOR AGENTS. **The Awl for All.** C. A. MYERS CO 6346 Lexington Ave., Chicago, Ill.

FARM BOOKKEEPING; UP-TO-DATE and most thoro course by mail only $10. Write the author of the system, W. H. Givler, Givler's Commercial College, Charleston, Illinois.

THE ROOF THAT NEVER WEARS OUT

The money-saving advantages of a slate roof *must* be apparent to *every* man who looks the question squarely in the face.

No roofing material except slate *can* give the satisfying wear that a slate roof gives. No material is so safe and sanitary—for slate is rock, and solid rock cannot burn and *does not rot* and retain filth.

A slate roof reduces your insurance rate and insures healthful cistern water.

It cannot wear, warp, decay, rust and shrink; it does not hold snow or ice.

Sea Green and Purple Roofing Slate

once laid settles your roofing question **forever.** It can be placed on any building, new or old, at a cost but a trifle higher than temporary artificial roofings.

You, reader, should be greatly interested in avoiding forever roofing expense and annoyance.

This Excellent Book FREE

containing sixteen pages of specific, practical, timely and helpful hints that will save **you** money in the final selection of a new roofing for any building on your farm. Simply sign and mail the coupon below and we will send your copy by return mail.

The American Sea Green Slate Co.
(Roofs That Never Wear Out)
155 Clark St., Granville, N. Y.

Sign and Mail this Coupon Today

The American Sea Green Slate Co., 155 Clark St., Granville, N. Y.

Send the book "Roofs" and name of the nearest dealer in roofing.

Name .....

Address..... *State*.....

Style roof.....*Approximate size*.....

UP-TO-DATE FARMING

Production and Marketing

PLANTS MUST HAVE FOOD.

ALL the papers recommend leguminous crops on thin or exhausted land, and farmers often try alfalfa, the clovers, or cow peas on such land and fail to secure a growth that is at all encouraging. They then conclude that the value of such crops to poor land is exaggerated, and they give it up.

The fact is, plants must have food. The soil had been so entirely exhausted of its fertility that there was nothing left even for legumes to feed upon. The timid, sickly little growths that were produced are proof of this. The plants tried to grow but there was nothing for them to grow upon. It is like trying to nourish a colt or a calf by teaching it to suck the dry finger of a glove. The little growth made, however, drew some nitrogen from the air and added it to the impoverished soil, so that the next crop would show some improvement on the first, but the progress is so slow that it can scarcely be considered profitable.

To thus build up worn out land by the aid of leguminous crops requires supplemented work to aid the legumes. At the first sowing there should be an application of barnyard manure. We mention barnyard manure because it is the farmers' principal resource. This manure gives the legume a start, and enables it to make a more or less vigorous growth. The more vigorous the more nitrogen will it absorb. When it has finished its work for the season, turn it under and give the land the benefit of all the growth it has made. This not only gives the land all the nitrogen the plant absorbed, but it adds some phosphorus and begins a supply of humus. The next year's growth, if again seeded, will be more luxuriant, and should be again turned under. The next year some other light crop may be produced, everything possible being left on the ground. Follow this with legumes again to be again turned under, or possibly lightly pastured and then turned under.

In this way very poor soils may be revitalized and fertilized; but if an attempt is made with legumes alone on land that will not produce anything, do not be surprised by a failure. There was nothing to stand on.

MAKE "WORTHLESS" LAND GOOD

By pulling a few stumps whenever there are a couple of days of idle time you will be surprised yourself at the new acres ready for cultivation next spring.

For vegetable growth, newly cleared land is very desirable, because such soils contains a large supply of organic nitrogen, the most useful and expensive of vegetable fertilizers.

With cotton, corn, wheat, oats and hay at the present prices it is poor farming to pay taxes on stump or brush land.

Stumps in a newly planted orchard



Clearing Through the Woods

Showing that no stumps or roots are too large or heavy to thoroughly remove this way.

will not only interfere with cultivation, but also afford a breeding place for pests and grubs that are the enemy of all fruit trees.

Land covered with old stumps and brush is an eye sore to the community and expense to the owner and has no earning capacity.

The clearing of new land is an important factor in the agricultural economics of many farms, yet probably no feature of farm life is so little understood and blindly pursued. This important condition is largely due to lack of information upon the subject.

CONSIDER WHAT YOU NEED.

THE first consideration of a farmer should be to produce as nearly as possible what he and his family and his stock will need. It is true that sometimes one may be so situated that it may pay better to buy a certain commodity than to produce it, but such cases are exceptional and do not affect the rule. Even if what he produces does not cost him less than what he buys, it is the result of his own effort, he has it independent of everybody else, it is already at home where he wants it, and he does not have to pay money for it. It is, therefore, sure to result in a saving of money.

If this position is correct, and we certainly believe it is as a rule, the first thing in setting the crop is to determine what will be needed on the farm; wheat, and corn perhaps, for bread, and corn and hay for the stock. Several considerations should enter into the hay problem. Timothy and clover for the horses, and clover, pea hay and corn fodder for the cattle and sheep, always taking into account the value of the clover and peas as a feed for the land as well as for the stock.

After these needs are provided for, then consider the surplus or money crops. It is needless to say that, in most cases, these will be the same as

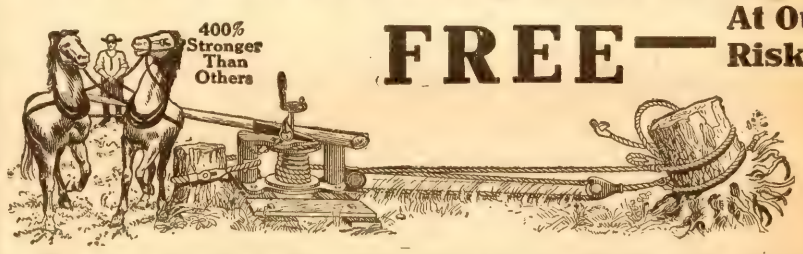
(Continued on Page 7.)

THE PROFIT IN ALFALFA

A few years ago it was the generally accepted idea that the successful growing of alfalfa was confined to a few especially favored states. That this belief was without foundation is proven by the crops that have been grown in localities where it was thought this profitable forage crop would not grow. For instance, who would have believed that alfalfa would grow and survive the vigorous winters of the Canadian Northwest? Yet such is the case. As to the time of year best adapted to sowing the seed, much depends upon the locality. It is sure, however, that the seed bed must, in every case, be properly prepared, good seed used and properly sown. The Superior Grain Drill, manufactured by The American Seeding-Machine Co., Incorporated, Springfield, Ohio, is admirably adapted for sowing alfalfa. The seed can be sown through the furrow openers and drilled in rows, or it can be broadcasted by detaching the grass seed tube from the grain tube tops, thus letting the seed fall between the discs. In either case, whether drilled or broadcasted, the discs give the ground and additional cultivation and thus prepare a mellow seed bed. The Superior Grain Drill is not only adapted to the sowing of alfalfa, clovers and grasses, but all known seeds from wheat to seed as large as bush Lima beans, and in any amount desired to the acre. This machine is manufactured in plain grain and combined grain and fertilizer styles. It can also be had in all sizes with different spacing between furrow openers. Single discs, double discs, hoes and shoes can also be had. Write to The American Seeding-Machine Co., Incorporated, Springfield, Ohio, for their Superior Drill catalogue. Then go to your nearest implement dealer and ask to see the Superior, which is guaranteed to do and to be all that the manufacturers claim.

This paper never deceived its subscribers nor ever gave them bad advice

Pull Your Stumps 30 Days FREE— At Our Risk—



Guaranteed 3 Years
Triple-Power—All-Steel

Clear up your stumpy fields with the 3-year Guaranteed Hercules, now sold on 30 days' Free Trial. Test it on your place at our risk. Pulls stumps out, roots and all. 400% stronger than any other puller made. Triple power attachment means one-third greater pull. The **only** stump puller guaranteed for 3 years. **Only** one with Double Safety Ratchets. **Only** one with all bearings and working parts turned, finished and machined, reducing friction, increasing power, making it extremely light running. Hitch on to any stump and the stump is bound to come. Also pulls largest-sized green trees, hedgerows, etc. Don't risk dangerous and costly dynamite. It only shatters stump and leaves roots in ground.

Special Price Offer

We have a special price proposition to the first man we sell to in new sections. We are glad to make you a special price on the first Hercules sold in your community because that will sell many more for us and save advertising. Write us at once to get this.

HERCULES Stump Puller

Just write a postal for our special price—30 days' Free Trial and all FREE BOOKS about the only All-Steel, Triple-Power Stump Puller—the Famous Hercules.

HERCULES MANUFACTURING CO., 1601 17th St., Centerville, Ia.

WALTHAM WATCHES ON CREDIT



NO. 43

Diamond Rings, any style. Terms, $3.75 per month.

CHRISTMAS PRESENTS—BIG SPECIALS

FULL JEWELED WALTHAM $10.65

In Fine 20-Year Gold-filled Case. Guaranteed to keep Accurate Time.

SENT ON FREE TRIAL, ALL CHARGES PREPAID

You do not pay one penny until you have seen and examined this High-Grade, Full Jeweled Waltham Watch, with Patent Hairspring, in any style plain or engraved Case, right in your own hands.



GREATEST BARGAIN EVER OFFERED—$1 A MONTH.

No matter how far away you live, or how small your salary or income **we will trust you** for a high-grade adjusted Waltham Watch, in gold case, warranted for 25 years, and guaranteed to pass any railroad inspection. **Write for handsome Christmas Catalog.**

LOFTIS BROS & CO. ESTD 1858 THE OLD RELIABLE ORIGINAL DIAMOND AND WATCH CREDIT HOUSE Dept. P221, 92 to 98 STATE ST., CHICAGO, ILL. *Branches: Pittsburg, Pa., St. Louis, Mo.*

Why Rent a Farm

and be compelled to pay to your landlord most of your hard-earned profits? Own your own farm. Secure a Free Homestead in Manitoba, Saskatchewan or Alberta, or purchase land in one of these districts and bank a profit of $10.00 or $12.00 an acre every year.

160 ACRE FARMS IN WESTERN CANADA FREE

Land purchased three years ago at $10.00 an acre has recently changed hands at $25.00 an acre. The crops grown on these lands warrant the advance. You can

Become Rich

by cattle raising, dairying, mixed farming and grain growing in the provinces of Manitoba, Saskatchewan and Alberta in Western Canada.

Free homestead and pre-emption areas, as well as land held by railway and land companies, will provide homes for millions.

Adaptable soil, healthful climate, splendid schools and churches and good railways.

For settlers' rates, descriptive literature "Last Best West," how to reach the country and other particulars, write to Sup't of Immigration, Ottawa, Canada, or to the Canadian Gov't Agent.

W. H. Rogers
3rd Floor Terminal Traction Bldg.
Indianapolis, Ind.

(63)

A HOME IN THE SUNNY SOUTH

I offer for quick sale a bargain in a 60-acre unimproved farm in Washington Co., Ala., near the Mississippi line. It is right on a new railroad, and only one mile from a new town site. As good tobacco land as Kentucky; as good corn land as Illinois; as good potato land as Michigan. Excellent opportunities for truck raisers; within two hours of Mobile. This is the best of the 100,000 acres surrounding it; lies high—no mosquitos; no swamps; no malaria. Most healthful climate in State—no blizzards; no snow storms; no long freezes. Stock stay out all winter; raise three crops a year; sandy loam, clay subsoil. Perfect title.

FOR SALE AT A SACRIFICE

Land right next to it is selling today at $17.50 an acre. I must sell this 60 acres at once. I offer a big discount for a quick cash deal.

Write me at once if you want a great big bargain in real estate in a section where you can enjoy life every day in the year.

J. B. FENTONY
Attorney-at-Law, Indianapolis, Ind.

FOR INFORMATION AS TO LANDS IN

The Nation's Garden Spot—

THAT GREAT FRUIT and TRUCK GROWING SECTION—
along the

Atlantic Coast Line RAILROAD

in Virginia, North and South Carolina, Georgia, Alabama and Florida, write to

WILBUR McCOY, A. & I. Agt. for Florida, Alabama, Georgia, Jacksonville, Fla.

E. N. CLARK, A. & I. Agt. for Virginia and the Carolinas, Wilmington, N. C.



E. R. MARDEN
President

I WILL MAKE YOU PROSPEROUS

If you are honest and ambitious write me today. No matter where you live or what your occupation, I will teach you the Real Estate business by mail; appoint you Special Representative of my Company in your town; start you in a profitable business of your own, and help you make big money at once.

Unusual opportunity for men without capital to become independent for life. Valuable Book and full particulars FREE. Write today.

NATIONAL CO-OPERATIVE REALTY CO.
139 Marden Building
Washington, D. C.

14c A DAY

NOTHING DOWN
— Buys a Ten Acre —

FLORIDA FARM

I honestly believe I have the best fruit and vegetable lands in Florida. In famous Indian River Orange Belt. Near Trunk Line Railroad and Indian River. Three crops a year. Big prices for all crops. Beautiful Town. Let me send full particulars. Go down and look at it yourself. Railroad fare refunded to purchasers.

EDWIN B. LORD, Wellsboro, Pa.

When writing to advertisers don't fail to mention Up-to-Date Farming.

the crops already mentioned, and only involves the production of more of these crops than the needs of the farm require, though there is occasionally a valuable money crop that is not used on the farm at all, as cotton, castor beans, sunflowers, tobacco, broom corn, etc. Some think it pays to devote their whole energies to certain ones of these crops, depending upon adaptability to location, and perhaps it does under peculiar conditions, but under any circumstances to have what one uses is a convenience, a relief and a saving.

After all, this is but another form of argument for variety farming, and he who practices it, being first sure to have enough of everything for his own use, is on the most certain road to success.

DOES IT PAY TO SHRED CORN FODDER?

THE Missouri Station has been testing the value of feeds by actual experiments in feeding. After a test covering four years, the conclusion is reached that whole field-cured corn fodder, handled as in ordinary farm practice, will not quite maintain yearling steers moderately thin to begin with. The average of all the trials showed a loss of 33 pounds per steer during a six months wintering period extending from November 1 to April 30.

During the experiments 33½ pounds of fodder was given daily to each steer, the steers averaging 750 pounds live weight. This required three tons of fodder per steer, and nothing was gained but time added to the age of the steer, making an animal six months older, but not quite so heavy, ready to be turned on the grass the following spring.

The results with shredded fodder were even less favorable. So far as these Missouri experiments show, shredding added nothing to the feeding value of the fodder. There was some advantage in handling it, but as much of the shredded fodder was refused by the stock and left uneaten as there was of the whole fodder.

When fodder is shredded, however, it is taken from the field in the fall before the ground is so wet as to be injured by the team and conveyance passing over it. Too often fodder fed in its natural state is taken from the field only as it is fed, which involves hauling in all kinds of weather, sometimes injuring the soil almost as much as the fodder is worth, saying nothing of the increased difficulty of the work for man and team. Of course fodder may be drawn from the field in the fall just as easily without the purpose of shredding it as with it, and it is a matter of surprise that all progressive farmers do not do that. There may be a question of storage room for the whole fodder, but it may be reshocked near the feeding sheds or lot the same as it was in the field.

But the important showing of these experiments is that corn fodder alone cannot be depended upon to keep stock thrifty and growing through the winter. It must be reinforced by some grain or other stronger feed.

The ideal Christmas gift for any home is a piano if there is none already. If you decide to get one and have not arranged for it, it is not too late. An instrument could be ordered now and delivered later—even after Christmas would make it none the less acceptable. Write the Cornish Co., Washington, N. J., for their fine catalog and learn how easy it is to pay for an instrument.

Catching

CANNIBAL—"How did our chief get that attack of hay fever?"

'NOTHER CANNIBAL—"He ate a grass widow."—*Cleveland Leader.*



Yours FREE 30 Days



I'll Pay Freight Anywhere

Just let me send my Chatham Fanning Mill to your R. R. Station on a month's trial. No money, no contract and I pay the freight. Return at my expense or keep it and take a year to pay me. Just let me prove the money you can make with a

CHATHAM FANNING MILL and Seed Grader

Cleans and grades all kinds of seeds, grasses and grains. Don't grow weeds or thin stands. Land and taxes are too high. Double the crops, get better crops and have high-priced seed to sell. Send postal now for my factory price, liberal terms, and get FREE BOOK No. 169. Tells how thousands are making big, extra profits with a Chatham. Send your name by next mail.

Address Manson Campbell, Pres.,
MANSON CAMPBELL CO., Detroit, Mich.
Kansas City, Mo.; St. Paul, Minn.; Seattle, Wash.

No Money Down
No Note
No Contract

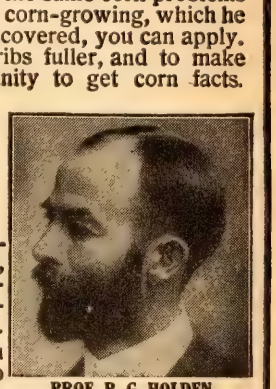


17 Screens and Riddles Enough for Every Purpose

Follow Holden's four rules and increase your corn crop twenty bushels per acre

You can do it. They are the simplest rules you ever tried to carry out. Thousands of corn-growers are doing it and making more money out of their corn than they thought possible before Holden told them how—and not one ounce more work or any harder work. Don't be among the thousands who are sticking to methods out-of-date a generation ago. You corn-growing farmers of the Corn Belt, Holden has a message for you. It was because he had the same corn problems you have that enabled him to discover the principles of corn-growing, which he has summarized in Holden's Four Rules. What he discovered, you can apply. Learn how to grow bigger crops, how to fill your cribs fuller, and to make your pocket books fatter by grabbing this opportunity to get corn facts.

HOLDEN'S Corn Secrets



PROF. P. G. HOLDEN

is the latest and by far the best book Holden has written—the ONLY COMPLETE corn book—intensely interesting, in every way practical and easy to be understood and followed—the result of years of experience, tests and demonstrations; and Corn Secrets is the summing up of it all.

Holden, as a boy on his father's farm in Michigan, began to look for things. He was dissatisfied with farming—too many troubles—too much work—not enough money. In working his way through college he worked his way into things for himself and by himself and soon began to instruct his professors about his rich discoveries in corn. He satisfied himself that money could be made in corn-growing and made easily. He learned the then unknown wealth of corn, how to increase its value by proper breeding and careful selection of seed, making it richer in oil, protein, starch, glucose and sugar, and how to

Increase the Feed and Fattening Value of Corn

for live stock purposes. All this was in college days. Prof. Holden has studied corn ever since, and he has become the world's greatest corn expert. He is in demand everywhere, has been instructing farmers and putting them in the way of making money in corn growing, and now he gives to the world at large his greatest and most complete work in Corn Secrets.

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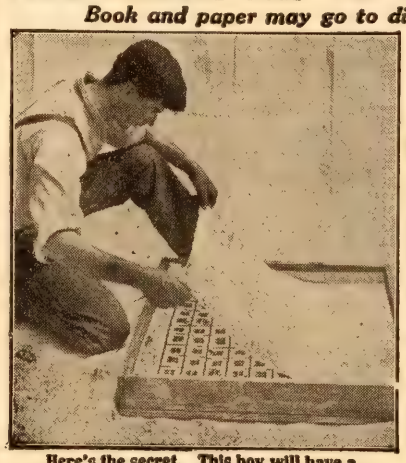
If you or your boy think of entering your state or county corn contest, you certainly cannot hope to win without Holden's Corn Secrets. If your competitor has it, and you don't, he is sure to beat you and raise the prize-winning crop.

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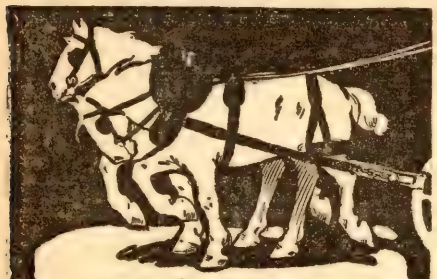
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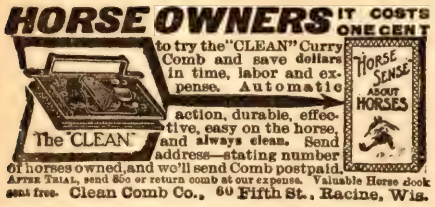
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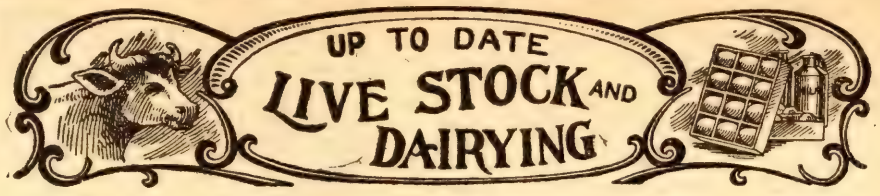
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THE FARMER AND STOCKMAN

EACH year more firmly convinces us that every farmer should be a stockman also. If on a small farm he must be content with a comparatively small amount of stock; if on a large farm he should have more in proportion. Farmers who cultivate rented land are, of course, at a disadvantage in this regard, but terms of renting should be so changed as to enable even the renter to keep some stock.

The farm should be so fenced that any portion of it may, at times, be pastured. It is the best—in fact, it is the only way to keep a farm cleaned up. There are places on every farm where cultivation cannot reach, and these points are usually the most fertile spots. If undisturbed they are matted with luxuriant wild growths that produce seeds to be scattered all over the farm. Stock keep these growths down, and convert them into money for the farmer, while adding neatness and beauty to the farm and freeing the fields from the seeds of noxious weeds. These fields rested occasionally and given over to the stock, are improved and beautified, and pay good rent besides.

We have a case in point this year on our own farm. A long stretch of rich bottom land, extending east and west, is traversed by a small creek. A fence running north and south, cuts this land in halves. The west half was pastured during the summer of 1909 by a nice bunch of young cattle, and during the past summer by a few cows and the work teams. The open field was kept clean, as were also the creek banks under the willows that had grown up along the creek, and it was a pleasure to walk through any part of it. This fall the willows were all grubbed out, and the whole field was broken to the creek's very edge and sown to wheat. A prettier field, or ground in better condition, could scarcely be found anywhere; and there is a fine prospect for an excellent wheat crop.

The east half was cultivated to corn last year and this. The corn was and is all right, but in spite of good cultivation, it is foul. Along the creek and in the inaccessible nooks, the rank weeds, tall grass, and brushy undergrowth are so dense and matted that a rabbit can scarcely get through it, saying nothing of a man. Cattle or sheep would have got all that stuff while it was young, edible and nutritious, and they would have grown and fattened on it. Now it is killed by the frost, matted down hopelessly, obstructs the creek, is entirely without value, and invites possibly a dangerous fire. This field pastured a year at intervals of two or three years, would prevent a very different appearance, and yield greater values besides being easier to cultivate.

Yes, every farmer should be a stockman. There is a shortage in live stock, and this change of method would help to supply it, with little danger of exceeding the demand.

THE COLT'S FIRST WINTER

THIS is a trying time for the colt. Most likely it has but recently been denied its mother's milk, and now all of its feed conditions have changed, and cold weather and storms have come to make it need more nutrition to sustain it. But the owner is interested in more than merely sustaining it; his profits depend upon its continual growth.

To accomplish this, the thoughtful farmer knows that something extra must be done for the colt. It must have good shelter and warm housing; and yet it must have means of abundant exercise. A securely fenced lot or pasture field must be at its disposal every suitable day, and it will show its appreciation by its gay frolics and glad races. If more than one they will enjoy themselves all the better. At night it should not stand with older stock, nor should it be fed with older stock. It is sure to be cheated if it is.

And its feed ought to be special. They have given it should be as nearly as possible like the grass of the pastures, at least in nutrition. Alfalfa and clover if free from mold or dust, are perhaps the best; then nicely cured, bright timothy that was not permitted to get too ripe before cutting. Both these grades of hay are better than either alone, as the colt needs variety in winter. Its grain ration should also be well ordered. The growing colt must have protein, and a combination of oats and corn comes in well. Wheat bran as a supplement also good. See that it has plenty of feed.

What Horse Training Is.

Training horses is so fixing habits that are suitable to man's use, that these acquired habits are stronger than the natural instincts. For instance, you have a horse that is nervous and frightens at objects, its natural inclination is to get away from that thing as quickly as possible. Maybe in getting away from the thing which frightened it, it took buggy and occupants along with it, and smashed things up in general. When a horse is well trained he may look at the object and tremble from fear; but the word "whoa" has been so taught that the habit to stand is stronger than the natural inclination to run.

When it is fully understood that horses do not reason, and that their actions are the result of instinct and following the line of least resistance, we must come to the conclusion that, to the horse, his actions are neither good nor bad. He acts instinctively and for self protection, and when his actions coincide with what man desires, we call him a good horse, and if the actions

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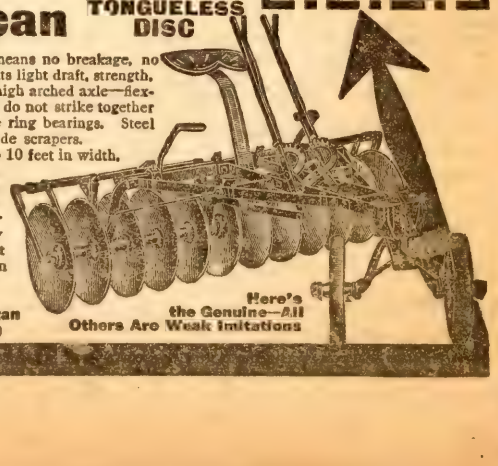
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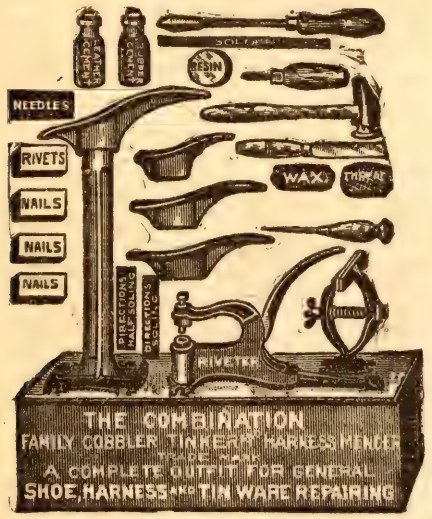
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of a horse are not those man most desires, we call him a bad horse.

Man's place in training a horse is to guide his actions in such a way as to avoid the wrong and make it easy to do the right, and then, by repetition, so fix the desired act, that by word or signal from the master, the action that has become a habit through repetition will follow as naturally as the instinctive habits common to the horse.

Every one who has had anything to do with horses knows that all horses do not resist in the same way, caused by the variation of their instinctive habits. And no one can think of avoiding the wrong things and always doing the right, if he does not understand the colt's disposition well enough to know that what causes one colt to act a certain way might cause another to act just the opposite.

Just as a student of human nature sizes up the man by his facial and other outward appearances, so ought a horseman be able to tell, by the contour of a horse's face and head, the predominating traits of his character. I have never attempted to handle one horse, among the many thousands handled, without first knowing what I had to contend with.

I will describe a few heads and give the predominating traits, that it may help the readers to judge for themselves whether disposition can be told by the contour of the head.

The ideal head is uniform, without any of the feature becoming prominent. The head has plenty of space between the eyes, and from the eyes to the ears. The eyes are large and kind. The ears are good sized and well set on the head, not being too close together. Such a horse has a kind disposition and will obey willingly without being easily aroused. It will be teachable and have life enough to do its work without continual urging. It will never fight, except in extreme desperation, and then it would fight for its life and fight hard.

Another type that may be easily identified is the nervous type. Its eyes are large but fiery. The eye sets well forward as though it had been pressed forward looking for something at which to scare. The smoothness of the forehead will be broken by creases in front of the eye. The ears will be moving almost constantly with nervous twichings, indicating that the eye is also watching in all directions.

This horse is ready to act at the least irritation. Some unfamiliar object or sudden racket, or a slight touch upon some part of its body, that is not accustomed to being touched, is sufficient to start it. Its fight will be quick and hard. It will resist principally by kicking and bucking. Unless overpowered, it will not cease until it is entirely free. Rough treatment with a horse of this disposition only makes it more fearful and vicious. It takes positive treatment; but one who loses his temper has no business handling a horse that has been spoiled. It requires cool, deliberate judgment to handle horses. If treated kindly and judiciously, this type of horse becomes one of the most stylish and useful of all dispositions.

Another head of a far different character is the one with a small eye set back in a heavy jowl, and the ears coming from the same place at the top of the head. Its actions belong more to the sullen type. It will resist in any way a horse can, and will do it with but little or slight provocation. He principally depends upon balking and usually kicks with one foot at a time while balking. He will fight slow, but keep at it a long time. When once he gets "set," any abuse will only fix him more firmly in his stubberness. His mind is sluggish and he fails to comprehend as quickly as others. When the least confused his mind becomes inactive and any irritation only brings out his anger.

His condition of mind resembles somewhat that of a boy who attempts to make his first speech. He begins, makes a mistake, and becomes confused. He begins again, makes a more ludicrous mistake, and is more confused. He does this two or three times until he is so confused that he cannot think of anything and simply stands—doesn't know enough to take his seat. Notwithstanding his confusion, if the crowd laughs at him he becomes angry enough to fight the whole crowd.

I have space here to make mention of only these three heads. There are only a few types of horses with combination of one or more of these types. After a short study one is able to tell at a glance the type or combination of types one has to deal with, and know to a certainty the natural propensities and go about his work of training intelligently.

A horse's disposition must be understood before any training becomes effective. One is so apt to do the wrong thing, or do the right thing at the wrong time, which is as fatal to success as to do the wrong thing.

To one interested in horses, nothing is more fascinating than studying the horse's mind and be able to take advantage of its many different whims and turn him from wrong to right habits. To do this, man must be absolute master of himself, even tempered and calm under all conditions.—Prof. Jesse Berry.

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PRICE Single gallon $1.00; 5 gallon jacketed can $3.25; 10 gallon jacketed can $6.00; 50 gallon bbl. $25.00. Circulars and full information free. Send orders direct to

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"PLEASE MENTION UP-TO-DATE FARMING WHEN WRITING ADVERTISERS"

Sam Thompson Says-



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Poultry profits depend upon your incubator. The value of an incubator is judged by the hatches it makes. That being the case my Fairfield Incubator is the biggest value in the world for the money. It's built better—operates easier—hatches better than any machine you can buy.

It's the world's best hatcher. To prove it I will ship you a machine for a two-hatch trial freight prepaid. I will give you an iron-clad guarantee that the Fairfield will hatch ninety per cent or better of all fertile eggs.

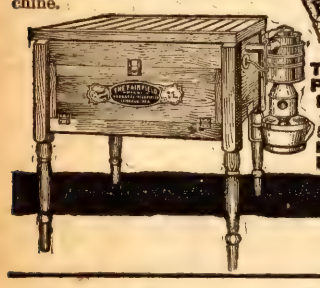
If it fails, if it does not come up to my claims, if it does not satisfy in looks, construction or in operation send it back at my expense.

That's fair and square and I want every reader of this paper to accept my offer. Write today for

This Big Poultry Book FREE!

It's a book worth having. It tells of Fairfield Incubators and Brooders. It explains every point that you might want to know about chicken diseases, how to raise chickens profitably, how much room to allow for each, besides a hundred and one other facts worth knowing. It's the finest, most complete, the most valuable book of its kind ever published. It's free for the asking. Write for it today and get my Incubator Proposition before you buy any machine.





Sam Thompson Pres. Neb Incubator Company 518 Main St., Fairfield, Nebraska

Tell them you saw the "ad." in Up-to-Date Farming

125 EGG Mankato Incubator $7.25



The high-grade hatcher now down to bedrock price. Well built of best material. Has double walls, heavy copper hot-water tank and boiler, self-regulator, nursery, high legs, safety lamp, egg tester, thermometer, etc. None better at any price. Sold direct from factory under binding guarantee and long-term trial. The result of 16 years' experience with incubators and raising poultry. **Brooders for 120 Chicks, $2.25; for 240, $3.50 and up.** Write at once for big free catalogue and poultry book. **MANKATO INCUBATOR CO., BOX 651, MANKATO, MINN.**



BUCKEYE $6 50 EGG INCUBATOR

Simple, self-regulating, complete. Guaranteed to hatch every hatchable egg. Sold on 40 days trial with money back in case of failure. 150,000 in use. If your dealer doesn't keep them write to us. We'll send you our catalogue and two books, "Making Money the Buckeye Way" and "51 Chicks from 50 Eggs," Free. THE BUCKEYE INCUBATOR CO., 512 W. Euclid Avenue, Springfield, Ohio.

Builders of Buckeye Portable Poultry Houses Sold Cheaper Than You Can Build Them.



One Thousand and One Poultry Pointers can be found in American Hen Magazine—the "A. B. C. and X. Y. Z. in Poultry". Price 25 cents for a whole year. Read about the BILLION DOLLAR HEN—descriptive circular free.

American Hen Magazine, Council Bluffs, Iowa



48 BREEDS Fine pure bred chickens, ducks, geese and turkeys. Northern raised, hardy and very beautiful. Fowls, eggs and incubators at low prices. America's greatest poultry farm. Send 4c for fine 80-page 17th Annual Poultry Book. **R. F. NEUBERT, Box 818, Mankato, Minn.**

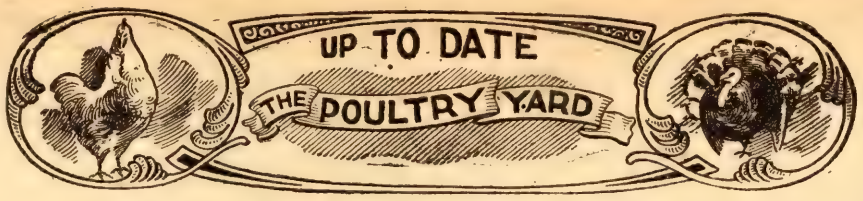
White Plymouth Rocks
CORRECT TYPE
Indian Runner Ducks
Booking orders now for Duck Eggs to be delivered next spring. Send in your orders.
J. B. HOWE, Judge, Box M, Fortville, Indiana



PFILE'S 65 VARIETIES
LAND AND WATER FOWLS. Farm-raised Stock, with EGGS in season. Send 2 cents for my valuable illustrated descriptive POULTRY BOOK for 1911. Write today.
HENRY PFILE, Box 615, Freeport, Ill.

We Pay $36 A WEEK and expenses to men with rigs to introduce poultry compound. Year's contract. **Imperial Mfg. Co. Dep. 55, Parsons, Kan.**

EGGS Easy to get more this winter. Recipe 10c. Mrs. A. Abbey, Frankton, Colo.



Get Your Price

"One yesterday, and one to-day,
And one again to-morrow,"
Old Biddy Leghorn cackled out,
With not a tinge of sorrow.

"I do my part, you folks do yours,"
Her voice seemed quite elated;
"Read Up-to-Date and get your price,
As I have often stated."

FEED AND EGGS

WE don't want to treat any subject in a way to become tiresome; but the person who depends upon corn alone for feed for his hens may have fat hens but he will have no great surplus of winter eggs. During winter fowls cannot get much feed that is not given them. They must, therefore, be given as nearly as possible the variety they get naturally during the recognized laying season.

Eggs contain a great deal of protein and mineral matter. Corn alone does not contain these elements in anything like strong proportion. As a feed for laying hens, it must, therefore, be supplemented with something that does contain these elements. Whole wheat is a good feed for this purpose, and it is a good plan to alternate wheat and corn as daily feeds. Added to these, any supplemental feeds, such as table wastes, etc., may be given with good effects. Lime, or shells and grit must not be neglected. Any green feeds are valuable as supplemental feeds.

DUCK FARMING

IN some portions of the country duck farming is made a profitable business. There is a duck farm in the Shenandoah valley of Virginia, from which is shipped annually from 50,000 to 60,000 dressed Pekin ducks. And the farm is not a large one either, nor are the appliances expensive. The duck farm itself does not exceed five acres in area. Ducks are hatched all through the year, and the nursery is about 400 feet long, and it is heated with steam and lighted with electricity. The ducklings are fed eight to nine weeks, and are marketed at from four and a half to five pounds each.

In killing, the bill is opened and an upward cut is made along the roof of the mouth, and the duck is then immediately stunned by a sharp blow on the head, notwithstanding which it bleeds freely, and is soon dead; but while still kicking it is picked dry.

Rye is found to be the best forage crop for the young ducks. For the very young ducks the rye is pulled by hand before it has made any stalk, in which condition it is eagerly eaten, and makes an excellent feed. For winter use the green rye is pulled and dried in the sun, similar to drying fruit, and the dried rye is eaten as ravenously as the green, and seems to be just as good a feed. Soaked in water it becomes very much like the fresh, green rye. About one-fourth of the ration is made up of this green (or dried) forage. For the older ducklings cut rye, green corn, etc., are used as forage.

In the drying of the young, green rye for the young ducks, we may have a good hint for poultry men or women who make a specialty of winter eggs. Rye or wheat cut by hand or pulled when about six inches high, and thus dried in the sun, would evidently discount any other substitute for green feed in winter, except pasturing on growing rye itself, and that is not available in the north except during the best weather. Of course, to thus gather the growing stuff and dry it involves work the people are not accustomed to do, and it seems that it would be tedious, but not more so than much other work that is done without a murmur, and perhaps not nearly so productive of good results.

The growing ducks are not given access to water except for drinking purposes, and for that they need water whenever they eat. To serve them, troughs are arranged just outside the slatted fence that incloses their yard, and which they can easily reach between the slats. Water flows constantly along these troughs. The breeding ducks are allowed access to a tank of water, six by eight feet in size to from 25 to 50 ducks, in which they may swim.

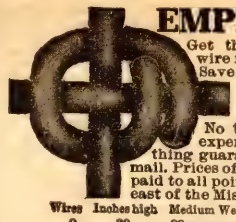
Cleanliness is an important matter. The floor of the pens on this farm is kept covered with saw dust, and it makes a neat, clean appearance, as well as a satisfactory litter. Cement or granitoid floors that could be washed off occasionally, would be ideal, especially for the old ducks.

SELLING LEAN FOWLS.

DON'T sell lean fowls. It is the poorest kind of economy. A few years ago, when everything sold by the dozen, it did not matter so much so far as the income was concerned, but now all kinds of poultry sells by weight, and that properly rewards those who do things best.

It is not a great job to fatten poultry. It may be done very quickly, and that is the profitable way. Two weeks is time enough, and fowls in ordinary fair condition may often be made market-fat in less time than that. Put the fowls in a pen, giving some room for exercise, with plenty of clean water and abundant light, but if in hot weather there must be shade. Do not feed too much at first. It is best to never give more than will be eaten up clean, and for the first day of two they should be always ready to run to their feed. At first feed only three times a day; then five times a day. Increase the times of feeding rather than the amount of feed given at once. Don't depend on one kind of feed. Scalded corn meal or chops, in thick dough, is a good feed. Scalded in milk instead of water makes it much better. Grit should be kept before them all the time, and so should bits of charcoal if possible. Toward the last, whole corn may be in their reach all the time. Thus treated, fowls take on fat very rapidly, and almost double in value when sold by weight.

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Get the genuine EMPIRE big wire fence, direct, at wholesale. Save dealer's profits.

Big Factory, Big Sales, 23 Styles

No traveling salesmen, small expense, prices low. Everything guaranteed. Free samples by mail. Prices of leading styles freight prepaid to all points north of the Ohio and east of the Mississippi River:—

Wires	Inches high	Medium Weight	Extra heavy (all No. 9)
9	39	23c per rod	37c per rod
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Special rates beyond this territory.
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BROWN FENCE

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Fences for horses, cattle, sheep, hogs, chickens, etc. 160 styles.
BARGAIN PRICES: 14 Cents Per Rod Up.
We pay the freight. Lawn Fences and Gates. Free catalog and sample.
The Brown Fence & Wire Co.,
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FARM FENCE

13¾ cts. a rod For a 20-inch or 15 cts. for 26 in. Hog Fence; 28 cts. for 50-inch poultry fence. **Sold direct to the farmer on 30 DAYS FREE TRIAL.** Special barb wire, 80-rod spool, **$1.55.** Catalog free.
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BOX 45 MORTON, ILLINOIS.

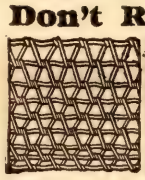
13¼ Cents a Rod

For 18-in. 14 3-4c for 22-in. Hog Fence; 15c for 26-inch; 18 3-4c for 32-inch; 25c for a 47-inch Farm Fence. 48-inch Poultry fence 28 1-2c. **Sold on 30 days trial.** 80 rod spool Ideal Barb Wire **$1.55** Catalogue free.
KITSELMAN BROS.,
Box 289 MUNCIE, IND.

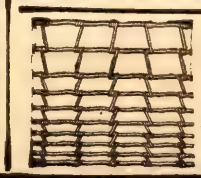
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Made of High Carbon Double Strength Coiled Wire. Heavily Galvanized to prevent rust. Have no agents. Sell at factory prices on 30 days' free trial. We pay all freight. 37 heights of farm and poultry fence. Catalog Free.
COILED SPRING FENCE CO.
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Extra heavily galvanized. Sold direct to farmers at manufacturers' prices. 30 days' free trial. Freight prepaid. Also Poultry and Ornamental Wire and Iron Fences. Catalogue free. Write for special offer. **The Ward Fence Co., Box 331 Decatur, Ind.**



48 IN. FENCE a rod 25c

Best high carbon coiled steel wire. Easy to stretch over hills and hollows. **FREE** Catalog—fences, tools. Buy from factory at wholesale prices. Write today to Box 71
MASON FENCE CO., LEESBURG, O.



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Victor quality tells in the hatches. Right principles, right materials, right building, right ventilation, right regulation, mean more chicks and greater profit. Victor quality costs but little more and the difference on one or two hatches more than pays it. Write us first. We can save you money. The materials we are putting into our machines this season, we bought one, two or three years ago, before the present high prices. We do by machinery what others do by hand labor. The result is a lower price to you for the same quality of machine.

We use seasoned lumber, we put heavy copper into our tanks and boilers. We build carefully—our doors fit and close tightly, our lamps burn clear and bright, our regulator keeps the temperature at 103 degrees no matter how cold the weather. When you get the Victor, you get machines that will hatch and raise chickens. Estab. 1867. **Geo. Ertel Co., 139 Kentucky St., Quincy, Ill.**

Ever-Sharp Shears FREE

Dear to the heart of every woman—a pair of finest shears that are always sharp.

The Patent Tension Spring keeps them always sharp and enables the user to cut anything from *wet* tissue paper to the heaviest cloth. The tension on the rivet can be set so that any kind of material intended to be cut with shears can be cut with perfect ease, without tiring the hand.



The illustration is 4 inches long, but the Shears we offer are 8 inches in length. They are made from the best carbon steel which insures strength and a keen cutting edge. The manufacturers guarantee quality of material and workmanship in every pair.

Guaranteed for Years.

MY OFFER: One pair of these Shears will be sent free for your renewal or a new subscription 2 years for 50 cents.

J. A. EVERITT, Editor, Indianapolis, Ind.

KEEP THE TURKEYS AT HOME.

TURKEYS are great rangers, and one of the greatest troubles is that they will not recognize lines, or even line fences. They may be taught, however, to not go too far from home; and they should certainly be taught to come home at night.

To keep turkeys from ranging too far, see to it that they have plenty of feed near home. If fed night and morning and at noon there is little danger that they will leave the home grounds very far. Of course this requires feed, and so does everything else that does its best. They need not be fed all they will eat; only enough that they will come home to get it, and then they will range sufficiently to get what else they need, and really get much of their feed.

At all events, they should never be allowed to forget to come home at night. They will not desert their accustomed roosting place unless they are allowed to wander too far away, and have no sufficient inducement to go home. Never neglect to have a feed ready for them at night, and they will never forget to come home. This is our experience during long years of successful turkey raising. And turkeys are worth raising, much more so now than during the other years, and the care that is freely bestowed upon other stock, should not be begrudged the turkeys.

NEED OF FERTILIZERS

FARMERS and gardners feel the need of fertilizers as they never did before, and there is no better fertilizer than hen manure, especially for the garden. This valuable fertilizer accumulates more in winter than during any other season. What preparation has been made to save it? We believe it will pay to clean out the poultry house every day, having a tight box in a dry place in which to store the droppings. These should be well stirred every once in a while, and when planting time comes it will be worth more money, bulk for bulk, than any thing you can buy. And then the house will be kept in so much better condition for the poultry.

HILLSIDE POULTRY CHAT

(Mrs. J. B. Howe.)

Hens that have been well fed and cared for should be well over the moult, and ready to begin laying. Both hens and pullets should be well fed on a variety of grains so that the laying function be well established before winter sets in. It is much easier to keep a hen laying, when the cold weather comes on, than to start her laying, after it has arrived.

A hen cannot produce eggs unless food is given her which contains the elements from which an egg may be formed. Many feed nothing but corn; others, nothing but oats, and then wonder why the hens do not lay. Wheat contains nearer the required elements for egg production than any other one grain, but the best results are found to follow the feeding of as great a variety of grains as possible. Corn, wheat, oats, millet, sorghum seed, Kaffir corn, and barley are all good; and produce an admirable mixture to be fed in a litter of straw or forest leaves, or any thing that will hide the grains so that the hen must scratch for them, and, in so doing, gain the necessary exercise to bring all her functions into play and keep her healthy and happy.

Many advocate the feeding of a dry mash, in self-feeding boxes. It is usually supplemented by a morning or evening feed mixed grain in deep litter, and the older the hens the deeper the litter. A good formula for the dry mash is: Bran 3 parts, shorts 2 parts, animal meal 1 part, corn meal 2 parts, oil meal 1 part, ground clover or alfalfa 2 parts.

The above dry mash is useful for young or laying ducks, made into a wet mash by the addition of a little salt, a liberal handful of sand to every 30 or 40 ducks, and water (or better, milk) enough to make the mass stick together, but not be sloppy.

It is the time of year when the poultryman should be making everything snug for winter. Clean out the henerres; close every crack; whitewash the sides and ceiling; thus serving the double purpose of disinfecting and vermin destroying and making the house lighter for the dark days of winter.

The open front poultry house is gaining friends, and advocates wherever tested. It is made by fronting the house, either south or east, preferably the former, and having one or more windows with the glass entirely removed, a wire netting may confine the fowls, and for severe weather and cold nights or stormy days, a curtain of canvas or even of muslin is arranged to be dropped and fastened over the opening.

Hens wintered thus, with access to fresh air at all times, are free from colds, healthier, happier and lay more eggs than hens shut up in the old way.

Hen houses artificially warmed have gone entirely out of date, and fallen into disuse.

Green stuff of some kind is greatly relished by hens in winter confinement, and conduces the laying habit. Such things should be looked after and provided now. A plentiful supply of nice, well cured, second crop clover fills the bill, Alfalfa is also splendid. Failing these any kind of green vegetables may be utilized.

Sprouted oats are recommended highly, as a winter green feed. The oats are put in a warm place and kept moist until they sprout, and then fed in this condition. Fowls are very fond of them and thrive and lay well when thus fed.

MAKE MONEY SPARE HOURS

If you expect to have a few spare hours now and then this winter, why not utilize them to your immediate profit? The U. S. Mop Co., 1152 Main St., Leinsie, O., whose ad was in a recent issue, have a splendid proposition, whereby our readers can make money easily. Look up their ad, or just address them now at the above address.

Poor Mary

'Twas "Mary had a little lamb,"
Not many years ago.
But now she has to vegetate,
So high the prices go.
—*Princeton Tiger.*

Be An Independent Buyer

"A Kalamazoo Direct to You"
TRADE MARK REGISTERED

—"And Gas Stoves, Too"



Oven Thermometer Makes Baking Easy

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Our Big Free Stove and Range Book gives you our factory wholesale prices and explains all—saving you $5 to $40 on any famous Kalamazoo stove or range, including gas stoves. Sold only direct to homes. Over 140,000 satisfied customers in 21,000 towns. Over 400 styles and sizes to select from. $100,000 bank bond guarantee. We *prepay all freight* and give you

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Write a postal for our book today—any responsible person can have same credit as your home stores would give you—and you save $5 to $40 cash. No better stoves or ranges than the Kalamazoo could be made—at any price. Prove it, before we keep your money. Be an independent buyer. Send name for **Free Catalogue No. 290**



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This is the name of our book that should be in every home. More fun to the square inch than a cage of monkeys. A "cart-load" indeed. Space will not permit of our telling much about this book. Take our word for it, that it is worth many times our price. If you are not satisfied we return your money on request. Among the titles of the anecdotes and stories contained in "A CART LOAD OF FUN" are the following: "A Man with a Liver," "Pumpkin Pie," "Potts and the Lightning-Rod Man," "How to Go-a-Courting," Baumgartner's Dog." "Stowe's Elephant Story," "Marriage a Scheme to Manufacture Happiness," "Mrs. Jones' Burglar." "Deacon Amos Tenderloin Discusses Dudes," The Sad Case of Fillay du Biff," "A Primeval Scrap," "A One-Horse Hotel." "He Concluded not to Commit Suicide," "Queerly Married." "Hannah was Aroused." "How the Tired Patient Man had His Feelings Upset," "Jone's Baby," "Breaking up a Cat Concert," and 148 others. "A CART LOAD OF FUN" is a book of 64 large double column pages, neatly bound in attractive colored paper covers price 10c each, 3 for 25c; postpaid. COONER & FORTUNE CO., Indianapolis **FOR 10 cts.**

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This Charming Dinner Set Easily Yours!

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48 pieces—and no little ones to "fill in."
Finest ware made in America.
Semi-Vitreous Porcelain.
Decorated in four colors and 24-carat gold.
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Will not craze under rigid test.
Exactly as here described!
A Wonderful Introductory Bargain!
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6 Dinner Plates
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6 Bread and Butter Plates
6 Cups
6 Saucers
6 Coupe Soups
6 Sauce Dishes
1 Meat Platter
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1 Open Sugar
1 Cream Pitcher
1 Oval Vegetable Dish
1 Salad Dish

There is no other set offered under circumstances so favorable as this; so complete, so fine in grade and so great in value as I am making this offer, to get quick introductory returns.



I guarantee satisfaction on this offer. If the dishes and the offer are not right, return everything in good shape, both you and your friends and get your money. It will be refunded to you cordially and without grumbling. Do not take my word for this guarantee—let me refer you to any bank in Dallas whose word means most to you. The name of the firm I represent is above reproach.

Frankly this is my position. I am not selling dinner sets. I give these sets as gifts to ladies who introduce me and my thoroughly respected business to their friends.

If you were so placed, would you not on an introductory offer, make the gift as attractive and the value just as great as you possibly could, so that wherever one set went, requests would pour in for dozens?

Of course you would! I have done the same! I have searched the potteries of America for a full set in the latest design and the most tasteful decorations.

These dishes are absolutely all firsts—guaranteed by a reputable manufacturer. There are no warped dishes nor flaws to be found. Nothing but clear white, first-class china, guaranteed not to craze under test. Decorated in a delightfully tasteful "Forget-me-not" design of blue, gold, green and brown, with two broad bands of clear 24-carat gold. The shape is the beautiful Colonial design, which is so popular in the most exclusive households of America.

My profits on these sets must come in the continued business which my methods will secure when I have introduced my offer to a few customers in each neighborhood.

I have a special plan which relieves this introductory work of all disagreeable features. I simply ask you to distribute and collect the introductory matter which I furnish you free.

When you have done a given amount of this work such as returns me only $7.50 in orders, one of the full dinner sets of 48 pieces, exactly as described and photographed here, is yours at once. You pay me no money for it.

Every woman is proud of her home—her dining room. You want yours to look attractive, to add enjoyment to the family circle—to make husband and children love their home. Here is the handsomest—daintiest set of dishes you can secure (without paying an enormous price for an imported set) and it may be yours absolutely free at once.

Write me today for my special bargain rate introductory offer. You will be under no obligations. You have absolutely nothing to lose. You have something very delightful to gain. Use the coupon.

Pres. F. P. HOLLAND, Box 972 B, Dallas, Texas.

I want to get the handsome set of dishes you describe, if I can do so easily without paying cash for them. Send me your offer.

Name.....

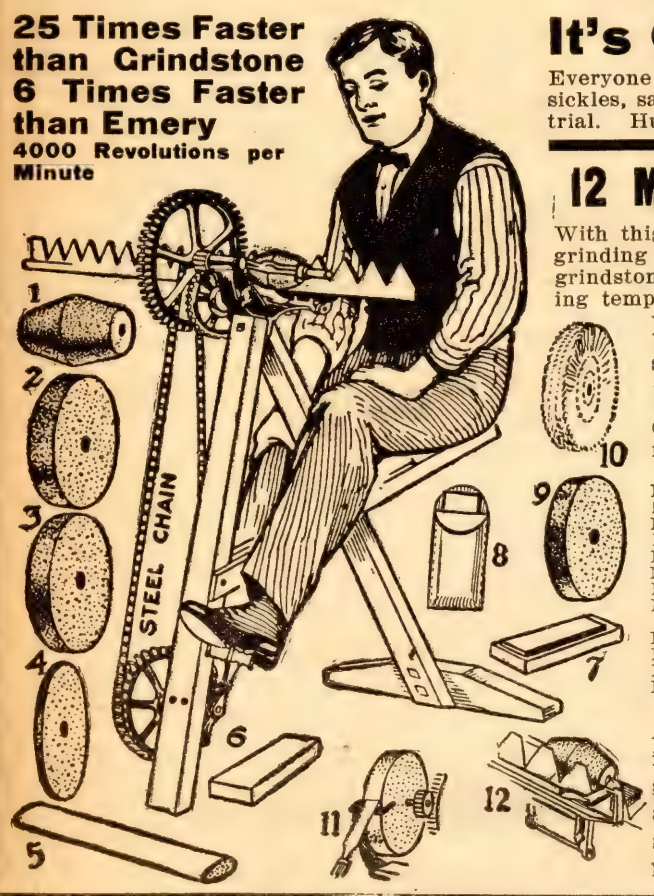
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25 Times Faster than Grindstone 6 Times Faster than Emery
4000 Revolutions per Minute



It's Only Human Nature to Hate a Grindstone

Everyone hates the grindstone and that is why all farmers worry along with dull plow-shares, disks, sickles, saws, etc. Stop all that. Let me send you this Farm Special outfit right to your farm on 10 days' free trial. Hunt up the oldest and dullest tools you can find, and don't forget to get a tough old plow share or something off the scrap heap—then put your feet on the bicycle pedal of this Farm Special and see how quick and easy it is to make these battered, blunt, old tools, keen, shiny and as good as new. Sharpen all your tools and some for your neighbors'. Keep the Farm Special 10 days and then if you are willing to part with it, send it back at my expense. That's the straightforward, liberal offer I ask you to take advantage of.

12 MACHINES IN ONE

With this outfit you can do every kind of grinding twenty-five times faster than with grindstones and without danger of drawing temper from tools, or need of cooling with water. The Farm Special is built to last a life time. It is strong, substantial, easy running. 4000 revolutins per minute. The Farm Special outfit consists of One Farm Special machine with following appliances:

No. 1. Carborundum Sickle Wheel
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No. 8. Carborundum Pocket Hone in Leather Case
No. 9. Carborundum Rust Remover
No. 10. Buffing Wheel
No. 11. Tool Rest
No. 12. Patent Sickle Holder

At the reasonable price we ask, it is the biggest and most liberal grinder offer ever made. We guarantee our wheels, hones, etc., to be genuine carborundum and will prove it.

A Few Testimonials from Satisfied Customers

NO DANGER DRAWING TEMPER

I received the grinder all right and have tried it thoroughly and think it is a perfect dandy and all who have seen it are delighted with it. There is no danger drawing the temper with those wheels. It is easy to operate and does the work so quickly and neatly that a person does not wear himself out trying to sharpen a tool.—J. C. Copeland, Sydney, Ind.

NEVER SAW ITS EQUAL

Enclosed you will please find money order in payment for the Grinder which I received about ten days ago. Will say that I have tried it on everything from a razor to a plow point. I am well pleased with the machine. It is the most complete section grinder I ever saw, and for grinding all kinds of tools I never saw its equal.—W. L. Pryor, Titusville, Ind.

CUTS FILES EASILY

The Grinder arrived a few days ago. Have tried it for both Sickle and Tool grinding, and for easy and rapid grinding find it far superior to any other grinder I ever saw. It will cut files as easily as emery will cut soft iron.—W. M. Meet, Judson, Indiana.

IT IS A DANDY

Your machine is a dandy. Everybody says they never saw anything like it before.—Charley G. Clampitt, Sheridan, Ind.

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A PERFECT STAND

Of potatoes is what you will get with good seed and an Iron Age Planter. It plants 100 per cent. without misses or doubles or injury to the seed. Every seed piece placed, just right, at even spaces and covered uniformly. The boy pays for his labor 10 to 20 times over, and the planter pays for itself—ask any user. With or without fertilizer distributor.

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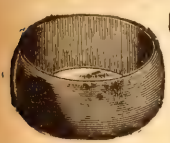
have "made good" and proven their superiority for 75 years. Send postal to-day for our Anniversary Catalog—it tells all about our Potato Planters, Cultivators, Diggers, Sprayers, Garden Tools, Wheel Hoes, Drills, etc., and is FREE. Don't delay.



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Free from Disease. Grow faster. Heavier fruiting. Yearling Apples 9c. Other fruit in proportion. Full line ornamentals. No agents. You save 50 per cent. Complete catalogue free
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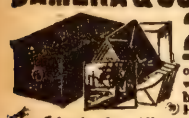


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THOS. M. BROWN, Springfield, Mo.

GARDEN and ORCHARD

SAMUEL ARMSTRONG HAMILTON, Editor

The editor of this department will answer inquiries by mail if a stamped envelope be enclosed, and desires all to write him freely. This is your department; use it. Horticultural books and pamphlets will be reviewed if sent in. If you desire to know where any seed, plant, or implement can be had, write me. If obtainable, I will tell you.

A MERRY CHRISTMAS GREETING

I wish you all a MERY CHRISTMAS. May the joys of the season follow you all the year around. I want you to enter into the proper spirit of the Yule-tide, and spread happiness and cheer about you. My Christmas gift to you will be a greater department during the coming year. The finest you can send us is a list of five or ten subscriptions at 20 cents a year each. While the happiness of Yule-tide is upon you make others happy by getting them into my garden family. I thank you for all your suport and wish you joy.

A merry Christmas to all.

SAMUEL ARMSTRONG HAMILTON, Garden Editor.

EXAMINE THE STORED FRUITS

It is now some six weks since most of the fruits, which have been stored away for the winter, have been permanently placed where they will be free from frost, and, in many cases, from the light.

At the time when they were stored away, there was a rush of fall work, and it is usually the case that many things are done and many more overlooked, which are not for the best. There are many fruits, such as apples, which at the time of storing were apparently sound. They may have appeared so to the eyes, but at the same time under the skin there may have been a bruise or two, which by this time will have festered into a rotten spot; or, perhaps the whole apple is rotten. Also, there may have been apples which had coddling-moth holes in them through the calyx which escaped observation, and rotting may have been commenced from the inside.

Everyone who knows anything about fruits knows that one rotten apple can spread the rot through the entire lot, and it behooves the owner to make an inspection in order to ascertain just in what condition they are at this time. Those which are sound now should carry to the end of the keeping season, while any which are in the least bit affected should be taken out and kept separate.

When I was a boy on the farm it was the custom to sort over all fruits and vegetables during the week preceding the Holidays. All would be examined. Apples which were specked were made into sauce and put in quart or half-gallon jars for future use, while the ones which were unfit for use were fed to the pigs, if there was any good to them at all. Apples which were not badly specked, were sold for a fair price as "sauce-apples," and were in demand.

The potatoes were carefully sorted over, and all affected ones were removed for immediate use, or fed to the pigs. The spores of potato-rot are very virulent, and one rotten potato in a bin will inoculate the whole lot, if given enough time. After this sorting a thin coating of air-slacked lime was dusted over the potatoes as they were put back into the bins. It was the invariable rule to thoroughly clean with lye-water, in a weak solution, all the bins in which rotten potatoes were found, in order to kill any spores which were in the bin.

It was very rare to find any rotten potatoes in the bins before spring after this thorough sorting out, and we were able to get better prices for our last products, on account of their fine condition.

The same principal was applied to the beets, carrots, and turnips, which were packed in bins similar to the potatoes; but after this sorting out sand was packed in over them in a dry stare, together with a dusting of dry air-slacked lime. By this method the last ones used were as nice as when they were put away. It means a little work, but there is plenty of time on the farm to do it at this time of the year.

Other vegetables, such as celery and endive were treated differently. They were set loosely on the floor of the cool cellar, and, when sorted over, all those which showed any decay were trimmed up for immediate use, while the unaffected were set on the floor of the cellar in double rows, and moist earth packed about them high enough to cover the roots. For winter keeping these two vegetabeles were taken up with the roots attached. They

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about Carborundum, the wonderful abrasive. lse like it, or near like it in the world. It is l abrasive known. Nothing except the genuine so hard. In fact, Carborundum is made of arti- ystals, actually created in the terrific heat of the furnaces at Niagara Falls, which fuses the ele- amonds into hard, sharp, beautiful Carborundum utmost heat, far beyond the measurements of fire brick melts, and runs like butter, Carborun- a temper and sharpness that cuts hardest steel as er. Wheels actually made of South African dia- arpen tools no quicker. And all this speed and pening is done **without danger of drawing temper from tools,** and with **no need of cooling with water.** Grindstones and emery **wear** steel away. The heavy pressure necessary causes heat that draws out the temper. But Carborundum **peels off** tiny shavings of hardest steel at lightest touch.

No need of heavy pressure, no water cooling needed, no danger of drawing temper if it is a **genuine** Carborundum wheel. We guarantee wheels on Luther Diamond Tool Grinders to be genuine Carborundum. And you can be highly suspicious of anything described as we have described Carborundum, but called by any other name than **Carborundum,** no matter how fancy the name. **There is only one Carborundum, there is nothing else like it,** and that is the genuine Carborundum on the wheels of the

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a farmer be as business like as a man who runs a were running a factory you would keep your tools because you would get more and better work done. the same on the farm. You will do all farm work ker, and save yourself time and work by having bright as you can easily do with this Farm Special Tool Grinder. You can do easily in two minutes ake you a half hour's hard work to do with a grind- take dull and rusty tools and make them sharp and . You will never spoil a tool by drawing temper. to use water when grinding—it's simple, easy work, special tool holders even your fifteen-year-old lcult grinding, such as gumming saws, etc., and

This is the Way to Look at My 10 Day's FREE Trial Offer

Suppose a man you know well should come into your sitting room some evening and say, "Here is a machine I want you to try free for 10 days. It is a machine that will make all your farm work easier; it will save you money by saving tools, it will save extra work for you and your horses. Just keep it and try it and have the free use of it for 10 days. Nothing to sign, no expense at all, no agreement to make; just try it Free, use it for 10 days and see if you like it. Let me have it back if you don't like it."

And that is just the way I want you to look at my offer because that is exactly the offer I make, and the offer is backed by the largest, exclusive manufacturers of hand and foot power grinders in the world. Just fill out and return the coupon at the upper right hand corner of this page as freely as you would accept the offer of your neighbor.

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102 Madison St., MILWAUKEE, WIS.

Gentlemen:—Please send me Free Carborundum Booklet, also full details of 10 Day's Free Trial Offer. It is distinctly understood that this request places me under no obligations whatever. It simply gives you permission to send free literature.

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Send Back this Coupon Today

Send back the coupon above and let me give you absolutely free, a booklet about Carborundum, telling the wonderful story of how it is made, an interesting, educational story of the achievement of a daring scientist in his effort to make diamonds in the hottest furnaces in the world.

Sending back the coupon does not obligate you in any way whatever. I'll send you the Free Carborundum Booklet and an illustrated circular fully describing the Farm Special Grinder and show you how straightforward and without red tape, my 10 day's Free Trial Offer actually is. Don't wait till tomorrow—don't put it off at all—send back the coupon today and get this valuable information.

This coupon will not obligate you in any way whatever. It will simply tell me that you are interested in my 10 day's Free Trial offer and that you would like to read the interesting story about Carbarundum, the artificial diamond abrasive, made at Niagara Falls, in the big electric furnaces, all of which I will send absolutely free.

If you want me to send the grinder at once on 10 days' free trial, without first sending you free booklet, just write and say so.

were then covered with rye-straw, which blanched them, there being very little light in this cellar. The moist soil was packed closely about the roots, and when any was taken off the end of the row, the soil was replaced.

The winter pears, of which there were quite a number, were carefully laid away until sorting time, when all that were sound were wrapped separately and kept in a room without fire, but adjoining one in which there was fire, so that the temperature kept five degrees above freezing. The pears kept a long time, and brought good prices by being marketed just when fit to eat.

This policy of waiting to see what develops within the first six weeks was also carried out with the pumpkins and squashes. Any which were damaged in handling would develop soft spots by this time, and they were canned or fed to the cows, while the good ones were wrapped in newspapers and put in the cool-cellar, where they would keep several months. We always had a few to sell for Easter, if it was an early one, at good prices.

The winter cabbage were differently handled, as it requires a considerable degree of cold to keep well. Among the many metods tried that of digging a trench in which to put it gave the best results. The trench is made deep enough so that the head will be beneath the surface. In the bottom, two parallel boards are put, with a space between them. Wrap the heads in paper and put them **head down** on the boards. Cover with soil allowing the last half of the stalks to stick out. They can be taken out during the winter as needed.

FARMERS WEEK AT THE STATION

In every state there is an agriculture college, university, or experiment station, all of which bear practically the same relation to the farmers, and it is the custom at most of them to have a farmer's week sometime during the winter.

The farmer's week is related to the work being pursued by the students who are taking what is known in most of the colleges as "The Winter Agricultural Course." A whole week is set apart for the personal instruction of those on the farm who for any reason cannot come for the whole course. Every farmer should take in this week, as the expense is very little more than your board, which is given at cheap rates. The reason I speak of it in my DEPARTMENT is that the studies are elective, and the outline of those which I have seen were very strong in studies bearing on the work of the garden and orchard.

All kinds of theoretical work of the garden and orchard are given the farmer-students during this week, much of which is illustrated by the actual work itself, especially in the work of orcharding, in which pruning, and spraying are illustrated in the actual orchard.

No one's age should bar him from taking in the pleasure as well as the instruction of this farmer's week course. Men of seventy have sat side by side with young men of seventeen many times, to the equal edification of both. Write to your college or station and ask for information as to the nearest farmer's week course, and make arrangements to attend. You will be a better gardener and orchardist next season if you do.

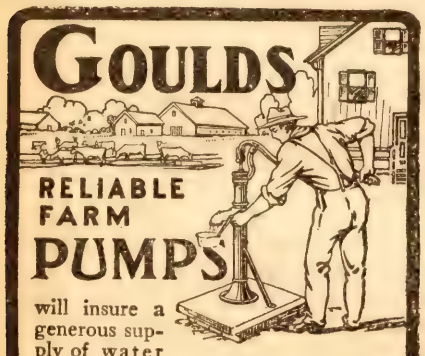
DOCTORING THE TREES

In answer to inquiries as to how tree-doctoring is done let me say at the start that it should not be done until the freezing weather is past. It is worse than useless to doctor trees with concrete while the cold weather is on. But you can make your preparations to do it as soon as the weather is fit in the spring. The trees susceptible of successful doctoring are those with heart-rot, or unhealed wounds where limbs were broken off, where they have been unskillfully cut off, and the stump allowed to rot back into the heart of the tree.

"Tree-surgery," as it is sometimes

(Continued on Page 21.)

GOULDS



RELIABLE FARM PUMPS

will insure a generous supply of water when and where you want it, no matter where the well or spring may be located.

They are durably made, moderately priced and cost little to keep in order. Built to meet every condition and service. Write for our **free book.**

"Water Supply for the Home"

It will tell you how best to solve water supply problems—pumps $3.00 to $300.

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WILL YOU WORK AN HOUR A DAY FOR $21.00 A MONTH?

I don't care who you are or where you live--men--women --boys--girls--I want you to work for me and I will pay you big.

If you can give all your time to my work you can earn up to $175.00 or more a month.

My work is High Class--Clean and Pleasant. You can do it in your spare time. I start you. No capital needed.

Be your own Boss--fix your own hours. How nice to have plenty of money! How much shall I pay you?

You can earn $21.00 to $175.00 a month by working for me one hour or more a day.

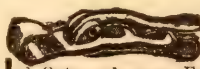
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Metal Name Fastener

Does away with straps. Every farmer and teamster delighted. Outwear harness. Fasten instantly with gloves on. AGENTS 140% profit. Indispensible when once used. FERRY'S HANDY NAME FASTENERS bonanza for agents. Many sell dozen an hour. Sample 25c, doz $2.75 Circular and wholesale price free.

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Prices: In barrels and half-barrels, 50c. per gallon; 10 gal. cans, $6.00; 5 gal. cans, $3.25; 1 gal. cans, $1.00. If you want cheap oils, our "CARBOLEINE" at 30c. per gallon is the equal of ANYTHING ELSE. Send today for free Booklet, "Orchard Insurance."

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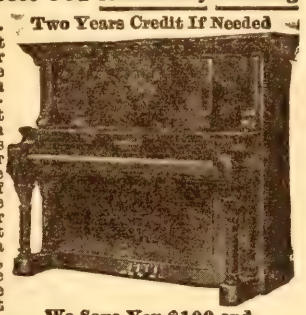


This is our offer to you—select any Cornish piano or organ, from the least expensive to the finest ever built and we, without one bit of obligation on your part, will send the instrument to you **direct from our factory** with the distinct understanding that if the instrument does not come up to your fullest expectations you are not to keep it, and that the

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If the instrument does not prove better value for the money than you can get anywhere else—if it is not as good an instrument as you can buy for one-third more than we ask—if at any time within a year you feel that you have not a good bargain, send it back; we won't find one word of fault with your decision, and you will not be one cent out of pocket for freight or for use of the instrument.

Two Years Credit If Needed



We Save You $100 and more On a Piano

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and holds us strictly to this offer. You are to have the privilege of any terms of payment that you may choose. You risk nothing. **We assume all responsibility,** because we know all about the great beauty of material and workmanship in Cornish pianos and organs and we know all about the pure, sweet, rich tone quality of our instruments and we know what **a quarter of a million satisfied purchasers** think of them.

If you keep the instrument it will cost you the **Rock-Bottom Factory Price,** not one cent more, and you will receive with it our **Bonded Guarantee** which insures the instrument for **25 years** against defect in material or workmanship.

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Don't think of buying before reading it. It is the handsomest piano and organ catalog ever issued. It explains things you ought to know whether you buy from us or not and it is yours for the asking. Write for it now and please mention which you are interested in—piano or organ.

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The Great White Flame Steel Mantle Burner



Specially designed for kerosene lamps and lanterns, develops a brilliant white 32 C. P. light from one inch wick equal to electricity or gas. Safe, reliable, nothing to get out of order. Indispensable for the country home or farm. Sent free upon receipt of 35 cents in coin. Money back instantly if not satisfactory. Agents wanted upon salary or commission. Write for territory.

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THE "BEST" LIGHT



Gives 500 candle power. Casts no shadow. Costs 2 cents per week. Makes and burns its own gas. Over 200 styles. Every lamp warranted. No dirt. No odor. No grease. Agents wanted. Write for catalog, now.

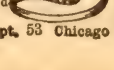
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X-RAY KATHODOSCOPE. Latest pocket curiosity Everybody wants it; tells the time on watch through cloth. Apparently see your fellow, best girl or any object through cloth wood or stone, any distance, all climates; lasts lifetime; always ready for use. Price, 25c. stamps or silver Alden & Co., Sta. A, Indianapolis, Ind.



SAVE 10 to 50 Per Cent on Magazines and watches, Elgin or Waltham, gold filled, $8.00. Write what you want. HICKMAN CO., Lock Box 3, Indianapolis, Indiana.

EARN WATCH—RING and CHAIN WE POSITIVELY GIVE TO BOYS and GIRLS A BEAUTIFUL, AMERICAN-MADE stem-wind, stem-set watch with handsomely designed case, proper size, GUARANTEED 5 YEARS. Also dainty ring, set with two sparkling stones, for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send $2 and we will send watch, ring and chain.



Dale Watch Company, Dept. 53 Chicago



THOUGHTS THAT COME

HOUSE CLEANING TIME

(By John P. Steele)

It is house cleaning time. The hoarse winds of autumn, and the frowning clouds and chilly drifting rains, have given notice that the dusts of summer have gone to sleep, and will no longer come unbidden into bedroom, sitting room or parlor, as they have been doing all through the summer months in spite of the good housekeeping; and what have gathered there, unwelcome guests at any time, must, by busy hands, be sent away. Or the passing northward of the vernal sun, his rising higher and higher at noontime, looking more directly down upon singing birds, laughing children and budding flowers, tells that winter's storms and slush and mud are over and will no longer be carried in on busy feet, and that the dirt of winter's fuel for winter's fires need not enter any more, and now whatever winter lacked of cleanliness may be carried off on the breath of spring.

There must be housecleaning. The chairs must leave their accustomed places, the furniture must all be moved, the rugs must be shaken, the carpets must be taken up, every closet must be emptied, and wherever an intruding speck of dirt may have hidden or found a lodgement, must be opened wide that every nook and corner may be subject to the scrutiny of the dirt-detecting eye, and to the cleansing hand of tidy womanhood.

And now that all is clean within, and the day's brightest light is no longer feared, every window must be taken out and washed and polished, that all may be brighter in the house and things may be seen more clearly outside. But soon it is all done, and everything, with a new polish and brightness, is back into its accustomed place, and every member of the household seems to share the brighter cheerfulness.

But how about the hidden chambers of the soul? The days have grown into weeks, the weeks into months, and the months into years. The seasons have come and gone. Wicked thoughts, and yet more wicked deeds, have often come uninvited, as came the dust and flies into the parlor. Harsh words have left marks that show when the eye of conscience turns its penetrating glance within. Unkind deeds have marred some of life's sweetest places, and frowns, like angry clouds, have swept across its calm, blue sky, and cast a shadow where sunshine should have been. The frosts of hate and envy have destroyed some of the brightest flowers of the soul, and left desolate what should have been the garden spot of life.

Has there been a house cleaning time for the home within us? The human soul was made pure and clean as the new home with its new and polished furnishings, but evil has crept in as the dust sifted into the rooms. Has there been any soul cleaning? Have these things that came unbidden ever been swept out? Has the dirt that gathered on the windows been washed away, and the windows themselves so polished as to let in the lightest effulgence, the light giving rays of goodness that belong as a happy inheritance to our better humanity?

Oh, for the soul's glad housecleaning, that within as well as without, may be bright, cheerful and holy as when the flowers grew in Eden with neither frost nor moth to mar their heavenly beauty.

His Place

"Mama wishes you to enter papa's factory, darling. That would do away with all his unwillingness."

"But, dearest, I'm a poet."

"All the better. You can write verses for our vinegar advertisements." — *Fliegende Blaetter.*

THE FARM HOME NOT SO BAD

Some of the government societies have been writing about the home on the farm, and, as usual, they go to an unwarranted extreme. One of them, the leading one we may say, concludes that farmers do not live long enough, and gives as a reason that their homes are not what they should be—not so sanitary (health preserving) as the homes in the city. The writer is somewhat familiar with homes in the city as well as with homes in the country, and, while conceding that farm homes are not what he wishes they were, he contends that the average farm home is more sanitary than the average city home. Of course the home of wealth in the city is all that money and skill can make it, but a large majority of farm families would refuse to live in places occupied as homes by much of the city's population.

We are glad, though, that scientists have been talking about farm homes. Farmers may be stimulated to make their homes better; may be impelled to learn what healthy homes are and make them so. Health in the home and long life for the occupants, does not depend upon an imposing structure, nor so much upon tight and easily warmed rooms, but it depends upon living in those conditions best adopted to aid nature in its struggle against disease and death. There must be plenty of pure air to breath all the time, but there must not be an undue amount of it in the form of a draft coming upon the occupants. There must be a generous supply of pure water. Impure water, is responsible for more human ailments, we verily believe, than a lack of pure air, and if the average city home has any advantage over the average country home it is in the greater assurance of good water.

There must be conveniences in the country home that make undue exposure unnecessary. In this respect the country home especially in the north, is deficient. Too many farmers look closer to their out door and stock conveniences than they do to those of the home. It is in the awakening of this class of farmers that we look for good in the discussion of country homes by the national scientists.

We agree that there is need for improvement, and, since improvements have been made in the past, the open cabin growing into the neat cottage, we are sure improvements will be made in the future. No one welcomes every advance more gladly than we do.

By Way of Advertising

"Why didn't you make a defense when they arrested and fined you for running your automobile too fast?"

"You don't know much about business. That was all made up. I've been trying to sell that old machine, and it can't be made to go faster than a log wagon. But now I can refer to the court record, and everybody wants it. That fine was cheap advertising."

The Eye and the Liver

"Yes," said the doctor, "I know exactly what is the matter with you. Your right eye shows that you have liver trouble."

"My right eye, doctor?"

"Yes, your right eye shows your liver is out of order, and it is lucky you sent for me."

"But, doctor, my right eye is a glass one!"

WOMAN'S ILLS



Many women suffer needlessly from girlhood to womanhood and from motherhood to old age—with backache, dizziness or headache. She becomes broken-down, sleepless, nervous, irritable and feels tired from morning to night. When pains and aches rack the womanly system at frequent intervals, *ask your neighbor about*

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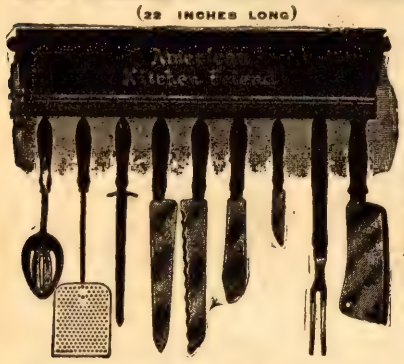
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Complete Kitchen equipment-a utensil for every purpose. A place for everything, fewer steps, less annoyance greater comfort. Every item is a household necessity, used daily. Made of the highest grade of tempered crucible steel, ground and polished by the latest improved process. Rubberoid finish, hardwood handles; matched and mounted with nickel plated ferrules, making set an ornament to your kitchen. The rack is 22 inches long, made of wrought steel, heavily enameled in black. In back of rack is space for kettle covers, trays and shallow articles or cooking utensils.

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Send me full information how I can get the American Kitchen Set FREE, by getting a few subscriptions to the EPITOMIST. Also send me a sample set of Post Cards that go with each subscription. I will do my best to get up a club for you and get the Kitchen Set.

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COTTAGE CHEESE ON THE FARM

SO many farmers are so situated as to be unable to dispose of their surplus milk at creameries or cheese factories that the profitable disposition of such surplus is a problem. Of course there is the ready suggestion of feeding it to the pigs and crickens, and that may be made profitable; but may not something better be done? Pigs and chickens may do as well on cheaper feed if the milk could be otherwise and more profitably disposed of.

Prof. Publow of the New York agricultural college suggests farm cheese making, and claims that the quality of farm made cheese ought to be superior to that of the factory made, because on the farm more attention could be paid to the details.

Prof. Publow says cottage cheese is one of the varieties most simple to make at home, and that it is the most profitable kind of home made cheese. The reasons given are that it always finds a ready market and disposes of the skimmed and buttermilk. He gives the following formula for cottage cheese:

One hundred pounds skim milk and 25 pounds of buttermilk are placed in a boiler and heated to 72 degrees. When it has come distinctly sour to the taste a half teaspoonful of rennet extract, diluted in one cup of water, is added. Then as soon as the whey is well separated from the curd, it is removed, and the curd is placed in a cotton bag or on a cotton strainer cloth, fastened over a wooden frame. Here the curd is allowed to drain, and when all the whey has escaped, salt to suit the taste, generally at the rate of two ounces for every ten pounds of curd. The cheese should then be moulded in attractive shapes for marketing.

The usual way of doing this is to make the cheese into round balls of about one pound weight, and wrap them in parchment or oiled paper. Put up thus, or in any other similar attractive and nicely preservative form, a good article of cottage cheese should sell at from ten to twenty cents a pound, depending somewhat upon the demand in the locality where made; but the demand anywhere may be rapidly increased by the introduction of a good article. One hundred pounds skim milk and 25 pounds buttermilk, should make from 20 to 25 pounds of cheese. At the lowest price and the lowest production that would make nearly $2 per hundred for a product not easily disposed of at any price.

And farmers who are not dairy farmers, but who have a surplus of skim milk and buttermilk, may thus use these commodities profitably for home use. Any quantity may be made in the proportion given.

The Right Way to Buy Soda Crackers

—and the *simplest* way. Ask for them by name—and the goodness will take care of itself. Buy

Uneeda Biscuit

Then, no more broken, soggy, stale or exposed soda crackers. Uneeda Biscuit come in individual packages that hold just enough for each soda cracker occasion. *Fresh* when you buy them. *Whole* when you open the package. *Crisp* as you eat them.

A number of five cent packages of Uneeda Biscuit is a wiser purchase than a quantity of ordinary soda crackers in wooden box or paper bag. Never sold in bulk.

NATIONAL BISCUIT COMPANY

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It is easy to choose something costing a great deal more which is absolutly useless, but to choose a present costing only $1.75 that will provide a long year's entertainment, and the uplifting companionship of the wise and great, is another matter. There is one present, however, which does just that—The Youth's Companion.

The one to whom you give the subscription will receive free all the numbers of 1910 issued after the money is received; also The Companion's Art Calendar for 1911, lithographed in thirteen colors and gold. These will be sent to reach the subscriber Christmas morning, if desired.

You, too, as giver of the subscription, will receive a copy of the Calendar, if you mention this paper. Address, The Youth's Companion, Boston, Mass.

Generous

"He was always taught," said Uncle Ethan, reflectively, "to be one of the charitablest men in the whole town, and I guess he was. He always owned a plug hat, for one thing, and I never knew him to refuse to lend it to anybody."—*Youth's Companion.*

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Send 25 cents stamps or silver at once and get 25 copies of this number (Dec. 15) and put them in the hands of your neighbors for the good of your crops, markets and prices. Do it before you forget it.

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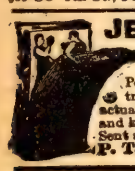
Our Sugar Shell is the prettiest you have ever seen. It is made of heavy Sterling Silver Plate, French grey finish, in the deservedly popular Rosalie pattern—the most beautiful design ever created—and we guarantee that you will be delighted with it. This pattern is new, and you will be the first in your neighborhood to have one of the spoons if you answer this ad. NOW Do not delay, but send in the 10 cents today to **A. H. Bowen, Dept. 204, 141 W. Ohio St., Chicago, Ill.**

20,000

Friends of this paper send 5 new subscribers each will make our circulation (including present subscribers) a quarter of a million, and every subscriber would realize such an advance on all his crops as to make it pay him a thousand per cent. on the investment. TRY IT.

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We will send you 10 of the prettiest post cards you ever saw if you will cut this advertisement out and send it to us with 4c to pay postage and mailing and say that you will show our post cards to your friends and explain our offer to them. D-123, NEW IDEAS CARD CO., 333 So 5th St., Phila., Pa.



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Here's your only chance to see them. Police have stopped original films all over country. Get this marvelous Kinetoscope and see actual, genuine moving pictures of best blows and knockout. Thousands sold. Everyone delighted. Sent anywhere, only twelve cents, stamps or coin. **P. T. & N. Company, Dept. U, Chicago, Ill.**

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We give Camera, 2 pckgs. plates, developing outfit, instructions, & handsome photo brooch frame *Free* for selling 12 pieces of our goods at 10c. each. You can earn money making photo brooches with this. Write for goods.



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Lovely assortment of 20 Artistic Christmas, Friendship, Good Luck, Roses and Flowers in exquisite colors, all for only 10cts. if you answer this ad immediately. **J. H. Seymour, 234 W. Eighth St., Topeka, Kan**



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Send only 2c stamp and receive 5 colored Gold and Embossed Cards FREE, to introduce post card offer. **Capital Card Co., Dept. 130, Topeka, Kan.**

CADETS of EQUITY

This Department is for the special instruction and amusement of Our UP-TO-DATE Young People, and to give them a chance to express themselves in print, and to exchange thoughts with one another. Everyone that writes a letter that is printed in the paper becomes a CADET of Equity, and everyone that sends a NEW subscriber for one year—30 cents—will be made a PIONEER of Equity and sent a collection of twenty (20) beautiful colored and embossed post cards. Address, CADETS OF EQUITY, UP-TO-DATE FARMING, Indianapolis, Ind.

The school teachers, as was to be expected, are taking a great interest in the Cadets and Pioneers of Equity. Miss Harman of West Virginia, evidently a born leader, led the way in this by telling us that the Cadet letters were read publicly in her school. Now comes another West Virginia teacher who delights in whatever is elevating the boys and girls of that State.

DEAR CADETS: I am delighted with the pleasure of communicating with the boys and girls of the United States. I am 23 years old, a school teacher by profession, and take great delight in doing all in my power to aid the boys and girls of West Virginia to make noble men and women. I think West Virginia is a grand old state, and UP-TO-DATE FARMING is a fine paper, *elevating in its every feature.* I certainly enjoy studying its pages. I invite any of the Cadets to exchange post cards with me.—A. Tyler Wheeler, Rock, W. Va.

These teachers' letters give me a thought. There are thousands of teachers in the United States, and millions of pupils in the public schools. What a power these would be if enlisted in the cause of Equity, and how easily could they swing UP-TO-DATE into a million families! I wish I could induce them to do it. Read the letters in the schools, as Miss Harman does, and let the young folks know what the boys and girls of the country are doing. Note the publishers' various offers that have appeared and will appear in our columns and see how easy it is to get subscribers and the most beautiful post cards ever put in an album or sent to a friend, and at the same time become CADET and PIONEER or Equity. A special Christmas and New Years effort could accomplish a wonderful work. What do you say? Time is short but not too short for the boys and girls or school teacher who acts promptly. But we must continue with the letters.

DEAR CADETS: Walt just a second until I lay aside my hood, for I want to chat with you awhile. I am a Kentuckian, and I think this is the grandest State in the Union. I am a farmer's daughter, have blue eyes, red hair and a fair skin. I am 15 years old and weigh 114 1-2 pounds. We live on a 137-acre farm, and have 3 cows, 13 calves, 3 horses, 4 mules, 17 geese and 226 chickens. If any of you will visit me I will give you all the chicken you can eat. I have made two clubs of subscribers for UP-TO-DATE, and have received two packages of 50 cards each. I see two of my subscribers have became Cadets—Dovie Scruggs and Gertrude Thompson. They are both good girls. My school will be out just before Christmas, and we will have an entertainment. Miss Winnie Scott is my chum, and she too is a good girl. I am so anxious to become a Cadet, and I want you all to write to me.—Audie Jenkins, Willisburg, Ky.

DEAR CADETS: May a girl from Sunny Kansas join your ranks? I have been a reader of UP-TO-DATE for some time, always turning first to the Cadets page, of course. UP-TO-DATE is a fine paper. I am 17 years of age, have dark brown hair and blue eyes, am 5 feet 4 inches high, and weigh 118 pounds. I have a sweet little blue-eyed sister, Annie Louise, besides another sister, and 3 brothers. I live on a farm in Eastern Kansas, and I think the farm is the best place for boys and girls to grow to manhood and womanhood. Will not some of the Cadets from Northeastern Oklahoma write to me? I am trying to get all the information possible from that part of the State, and would like to correspond with some one about my age who could give a good description of the country.—Leetah Campbell, Edgerton, Kas.

DEAR CADETS: I have been reading UP-TO-DATE FARMING since August; I take it myself, and I think it the best farm paper I ever read. I live on a farm of 60 acres near the city of Fort Worth. I will be 17 years old December 15. We raise most anything here that we plant. But we didn't raise much this year but grain on account of dry weather. I would like to exchange cards with any of the Cadets, and will answer all I receive.—Lee A. Cartmell, Crowley, Texas.

DEAR CADETS: Will you admit another West Virginia girl? I have been reading UP-TO-DATE FARMING about a year, and for sometime have wished to become a Cadet. I am 18 years old, have dark brown hair and blue eyes. I live just a mile from Ravenswood, where I am a junior in the high school. I like country life much better than life in the city. I would enjoy cards from the Cadets; will answer all I receive.—Mary V. Ball, Ravenswood, W. Va.

DEAR CADETS: I have just been reading the Cadet letters, and herewith I wish to become a Cadet. We have taken UP-TO-DATE for about a year, and I have wanted to become a Cadet for several months. We moved to town last summer, and rented the farm to another man. I am 19 years of age. I like UP-TO-DATE fine and I am going to renew our subscription as soon as it expires. I would like to exchange cards with the Cadets. I don't see many letters from old Missouri; but this is a nice country, at the foot of the Ozark mountains. It is 57 miles from Springfield and 182 miles from St. Louis.—Jake Keen, Lebanon, Mo.

You can renew at anytime, Jake, and have your time extended. Notice the excellent offers that are made now; they may not be when your subscription expires. Get one new subscriber and send with your renewal, both for 50 cents, and get the cards we offer, and become a Pioneer also.

DEAR CADETS: My grandpa takes UP-TO-DATE FARMING, and I like it very much, especially the Cadet letters. I live on a 160-acre farm about 3 miles from Columbus. We have 5 horses and 2 mules, and 2 cows and 1 calf. We raise corn, wheat, oats and some fruit, and my grandpa has 65 acres of corn that is making 45 bushels to the acre. It is real good this year. I go about a mile and a quarter to school to Miss Myrtle Quick. This is a beautiful State to live in. There are no mountains here. I would like to see some of the mountains I read about. I am 13 years old, have brown hair and eyes, and weigh 99 pounds. I would like to exchange cards or letters with the Cadets.—Mildred Sittiken, Columbus, Ind.

I wish your teacher would be "quick" to suggest making a club in your school, Mildred, so as to have a whole class of Cadets, and get all the beautiful cards we offer.

DEAR CADETS: Can you make room on the Cadet page for another Kansas girl? My brother takes UP-TO-DATE, and I enjoy reading the letters. The paper is also full of information, and is a benefit to all farmers who read it. I am a brunette, am 5 feet, 3 inches tall, and weigh 107 pounds. I am 20 years old, and live with my father and mother and youngest brother on an 80-acre farm. I have 2 sisters and 3 brothers living, and a brother and a sister dead. My father is an invalid. He is an old soldier and is 79 years of age. It is interesting to hear him tell war stories. He enjoys hearing me sing war songs and play them on the organ. The crops were not very good this year in Northern Kansas on account of dry weather. I would like to exchange post cards with the older Cadets, and will answer all I receive.—Jessie L. Vilott, Mankato, Kans.

DEAR CADETS: I am 16 years old and live in Monaca, a town of 8,000 population, 30 miles west from Pittsburg. I have chickens, rabbits, white rats and 4 hounds. I work in the glass house here. I would like to exchange cards, and all will be answered.—Warren Megill, Monaca, Pa.

DEAR CADETS: I am 18 years old, have blonde hair and light blue eyes. I am 5 feet 7 inches tall, and I live in the lower end of the city on a small place where we can raise chickens, and we have one cow. We raise all of our garden vegetables and fruit. I have taken UP-TO-DATE for nearly a year, and like it very much, especially the Cadet letters which I greatly enjoy reading. I would like to hear from some of the Cadets, especially James B. Sacks of W. Virginia. I will answer all cards or letters from the Cadets. —Hattie C. Willsey, 4 Lark St., Cohoes, N. Y.

DEAR CADETS: I am a West Virginia boy, 19 years old, 5 feet 6 inches tall, have black hair and gray eyes, and weigh about 135 pounds. I have been a reader of UP-TO-DATE but a short time, but in that time I have learned to prize it very highly. Every family should take it. There is not much farming done here; it is mostly mining. I am sending in a new subscription and thus become a Pioneer of Equity. I would like to exchange cards with the Cadets, and will answer all I receive.—Olie Watson, Valley Bend, W. Va.

DEAR CADETS: I enjoy reading the letters. There is a foot of snow here November 9. I go to school to Miss Bessie Cole, and I like my teacher well. I live 25 miles from Lake Erie. I would like to exchange cards with the Cadets.—Viola Smeltzer, Seagerstown, Pa.

Viola, call your kind teacher's attention to the interest the teachers and schools are taking in UP-TO-DATE and the Cadets, and also to the great offers we are making them.

DEAR CADETS: I have long been wanting to write, but I was afraid of the waste basket. I live in a small town, and my father is a carpenter; he is seldom at home except Sundays and nights. I will soon be 14 years old, and have blue eyes and black hair. I have 3 brothers and 3 sisters, I being next to the oldest. I have a crippled brother, whose birthday was yesterday; he received 64 cards and some presents. I would exchange cards or let-



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Chops one pound of raw or cooked meat per minute. Also chops or grinds fish, vegetables, fruit, nuts, spices, coffee, cocoanut, horseradish, codfish, etc. Has four steel cutters, fine to coarse. Easy to turn. Opens and separates to clean. Makes no waste. Handsome. Will not rust.

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FREE with each cow or horse hide coat or robe made from hide furnished by you, we will make you a present of a pair of knit-lined fur mittens with horsehide palms.

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Dealers in Western cities such as Kansas City, St. Louis, Chicago, St. Paul and Detroit, sell their furs to dealers East. **Why not you?**

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Write and ask for my price list—it's free. Highest commercial references. Address Dept. **C 156**

F. N. MONJO, 152 W. 25th St., N. Y.

Raw Fur Prices are going to be up and down this winter. Some heavy stocks carried over will probably affect the market. We keep our shippers posted by special bulletins all through the winter. We give you the top price because we post you about the rises and falls. Send your name to get on our bulletin list.

Shipments to us at the right time bring best money and quickest returns.

KANN & COMPANY

55 E. 10th Street, New York City

If You Ship Them



Send them to JONAS D. EMERY, the fastest growing Fur House in the entire MiddleWest. Prices may often change but My liberal and fair assortmentf never will. Write today for price list. I hold shipments separate and to any one not fully satisfied I will return your furs and pay all express charges. I also handle Hides, Junk and Roots. JONAS D. EMERY, Concordia, Kansas



FREE TO TRAPPERS

Furs are high and it pays to trap. Send 25c. for 3 mos. trial subscription to Fur News Magazine, which tells how to trap, hunt, make deadfalls, snares; about dogs handling raw furs, prices, markets, etc.; lots of good stories, too; and get FREE 64-page Trapper's Guide, giving valuable secrets and methods, and chart of all fur and game laws.

FUR NEWS PUB. CO., 71 W. 23d St., New York. Room 607



THE **FUR WINNER** A splendid, big, illustrated journal about hunting, trapping, steel traps, snares, deadfalls, raw furs, guns, dogs, big game, night & fox hunting, also Special Crops & Farm By-products such as roots, barks, forest seeds, fur farming, pet stock breeding, etc. Only 50c a year. Sample copy and booklet on Skinning, Stretching & Grading Furs, 10c. Address: Fur Winner, Box 5 Pomeroy, O.

BEEF HIDES — FURS

TOP MARKET — AGENTS WANTED

Geo. Copeland & Co., Steubenville, Ohio

ters with any boy or girl cadet.—Madge Hutchenson, Pleasant Plains, Ohio.

DEAR CADETS: I am a Virginia girl, 19 years of age, have brown hair and blue eyes, and live on a 250-acre farm, where we raise corn, wheat, oats, hay, and all kinds of garden vegetables. I read UP-TO-DATE FARMING and enjoy the letters very much. I would like to exchange cards with the Cadets.—Annie Thomas, Rio Vista, Va.

DEAR CADETS: I am a country girl from the Pine Tree State. I am 14 years old, 5 feet 4 inches tall, and weigh 130 pounds. My father has taken UP-TO-DATE for almost a year, and we all think it a fine paper. I am glad to become a Cadet of Equity, and would like to exchange cards with the Cadets, specially with Anna Young of Michigan.—Myrtle V. Young, East Dover, Maine.

DEAR CADETS: I am a farmer's girl, and I like country life better than city life. I live about 6 miles from Rockville Bridge, the largest stone arch bridge in the world. I live on a farm of 20 acres, and my father has started a small piece of ground in catalpa trees.—Ethel Bechtel, Dauphin, Pa.

If your father has the true Catalpa Speciosa, Ethel, he will find his grove very profitable.

DEAR CADETS: I am 18 years old, have dark brown hair and eyes, am 5 feet 5 inches tall, and weigh 15 pounds. I live on a farm of about 320 acres, in the central part of Illinois. I was raised in the city, but I like farm life the best. How many farm girls could run a dairy alone? I can for one.—Vivian Irene Streink, Medora, Ill.

DEAR CADETS: I am a Nebraska boy, and I am proud of it. I am 18 years old, feet tall and weigh 18 pounds. I have lived on a farm, close to a town of 2700 people, all my life. We raise mostly small and garden stuff. I attended school right along until I graduated from the 12th grade in May, 1910. Since then I have taken up work in a lumber yard. I greatly enjoy skating and basket ball and other outdoor sports. I like to read the Cadet letters, and feel grateful to the editor for allowing the young people to express themselves in print. I think UP-TO-DATE FARMING should be in every American farmer's home. I would be greatly pleased to receive postals or letters from other Cadets.—Paul A. Hagelin, Toughy, Neb.

DEAR CADETS: I am an Alabama girl, and was 18 years old in October. I live on a farm with father and mother and 2 brothers. Papa takes UP-TO-DATE FARMING and we all like it fine. I enjoy reading the Cadet letters very much. I would like to hear from some of the Cadets near my age, and I will answer all.—Mae Dickey, Elon, Ala.

DEAR CADETS: My brother takes UP-TO-DATE FARMING, and I enjoy reading it very much. I live on a farm of 60 acres. We had 105, but we sold 40. We live about 5 miles from our nearest town. I am 20 years old, but I think I am not too old to join the Cadets, with whom I would like very much to exchange cards.—Frieda E. Fluhr, Kiel, Wis.

DEAR CADETS: I live one mile from Tatham Springs, Ky. I am 15 years old and weigh 98 pounds, and I belong to the Baptist church. We have 29 geese and 150 chickens, 8 pigs and 5 hogs for meat. I am going to school, and my teacher is W. S. Colvin, a very fine man. Please all Cadets write to me, and I will answer all I can.—Mennie Coulter, Fatham Springs, Ky.

I must also ask you, Mennie, to call your teacher's attention to the interest the schools are taking in the Cadets, and the offers we are making to encourage both teachers and pupils. A club in your school would bring you many beautiful cards and to your friends the best paper in the world.

We shall close our letters this time with another letter from the Cadets' little friend in Tennessee.

DEAR CADETS: Happiness indeed has the Cadet circle brought to me. My life has been made much brighter by your cheery cards and comforting letters, of which I now have about 500. I also have $11.60 sent me on my piano fund, and I thank you all so very much. I wish you knew how much pleasure and enjoyment you have been to me. Though I can't answer all, you are fully appreciated just the same. Yes, little girls, I get your letters too, and love you for your kind inquiries. My legs are no better than when I became paralyzed, and I have no hope that they will ever be; but when I get my piano I can have such a happy time playing. My life will then be as happy as if I had good use of my body as you all have. I hope you have all had as happy a Thanksgiving as I have had. A dear old cousin, Ben Bailey, who lives about 50 miles east of me, has spent Thanksgiving with me. He brought his violin, and we had such a nice time playing together; I could second for him. When I showed him my cards and letters, and told him about the "chain" to get me a piano, he threw me a silver dollar as a thanksgiving present for the piano fund; and Mrs. Creas of New Hartford, N. Y., sent me a stuffed duck for thanksgiving. Oh, it has been the happiest Thanksgiving I ever knew. During this happy week, I have got up five subscribers for our dear paper. Let us all do all we can to help so kind an editor for being so good to print our letters. I thank you all for your kindness to me. I have a book in which I keep every name of those who send me piano fund. I shall always keep it; and when I get my piano, I mean to have every name and address printed, and the amount each gave. Let us scatter sunshine in every home we can by getting new subscribers for our kind, good UP-TO-DATE.—Nellie Tipton, Maryville, Tenn.

THE FUR MARKET

Fur dealers are everywhere sounding warnings of a decline in prices. Reports say prices are alarmingly high and that a drop is certain.

Readers of this paper should take heed and market now while prices are good. Write at once for price lists of those soliciting furs. Several announcements are found on this page. Only honest and reliable advertisers use our columns.

TRAPPERS QUERIES

Q. Can you tell me a good way to snare rabbits here where timber is scarce and it is hard to find saplings to use to pull them off the ground?—John Donahue, Mason Co., Illinois.

A. You can make a good snare by the aid of a balance pole. Select a runway in an old briar patch or other hiding place. Place a forked stick in the ground. Then get a pole possibly 20 feet long. Place it in the fork; tie a large stone on the high end and the cord on the small end. Then you are ready to proceed the same as though you had a green sapling. This pole has the advantage over the sapling of not weakening because of being bent a long time or frozen, as the latter will do.

Q. I see along the streams lots of tracks which I take to belong to mink. However, I have never been successful in catching them. Can you tell me a good way?—Lemuel Beamen, Owen Co., Ind.

A. You might try a water set. Select a place along the creek where there is a small raceway—where the water is running swiftly, between two holes of water. Set the trap in the raceway, under about two inches of water. There are innumerable ways of trapping mink, but we have room for only the one here. Why not subscribe for some good trappers magazine as is advertised in this paper?

Q. What kind of a gun can you recommend for deer hunting? I want one that will carry a long distance and will not be too heavy.—Henry Claw, Red Lake Co., Minn.

A. There are several styles of guns that will give satisfaction for the purposes you desire yours. A 30-30 or a 38-40 Martin or Winchester take small cartridges, are light, and will carry as far as you can see a deer. Use soft nosed bullets and you can stop any deer in the western hemisphere.

Small "Catches."

The fastening of the trap is one of the most important things of the set. 90 per cent. of the amateur trappers fasten the trap securely to some big log or tree. Don't do it. You will lose many furs by the animal gnawing their feet off and pulling out. Fasten to a medium sized clog that will "give" a little at each tug. Try this, you who haven't.

One of our readers reports that for 3 minks, 8 muskrats and 4 skunks he received $18.40. He shipped to one of our advertisers. A dealer at home offered him $12.50. Was it worth a postal card to write for prices? Try it yourself.

One of the best baits for catching mink, is live mice. At this time of the year they are easily obtained, and the sight of one makes a mink hungry.

Foxes like to run on smooth ground. Many plow a furrow in the fall thru an old stubble field and set a couple of traps a few feet apart, in the furrow, well hidden. After baited you will be pretty sure to get a fox if any are in that vicinity.

Don't hold your skunk and muskrat pelts. Prices will be lower right away. Already dealers are withdrawing quotations.

One can now appreciate the value of keeping posted on the fur market. Many not knowing will hold their furs a few weeks expecting prices to go higher as they have advanced the past two or three years. Better subscribe to a live Trappers publication, and get on the fur dealers market report list.

Ever try this: When you are out with a shot gun hunting and have only light ammunition and sometimes see a deer or some other animal which is apparently to big to faze with the small shot, you can still get him if you know how. Back about an inch from the open end, right where the middle wadding is, cut several holes, around in a circle in the pasteboard shell. Don't cut too many but leave only about half the pasteboard in the circle. This will allow the entire charge of shot to go out whole, and will kill any beast in this country, if within striking distance.

Don't forget to write us your experiences, and ask questions if you wish. Your letters will be published if desired.

Get all you can for your raw Furs

Experienced trappers and fur collectors are never in doubt as to **where** to ship their furs. They all **know** that St. Louis, being the Greatest Fur Market in the world, is the place the **best returns** come from.



F. C. Taylor & Co., who own and control the Great Fur Exchange Building, have more money invested in building and equipment than all other St. Louis fur houses combined. They have better facilities, enjoy a greater demand and handle more furs than any other concern in America.

F. C. Taylor & Co. are therefore in position to send you **quicker** and **better net results** for furs than you can get anywhere else.

Trapper's Guide, Market Reports and other valuable information mailed FREE. Write at once for Latest Price List and shipping tags. You need no introduction—**just ship**

F. C. TAYLOR & CO.

Greatest Fur House in the World

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SHIP YOUR FURS



direct to E. W. Biggs & Co. and you will get the highest prices and save all commissions. A square deal and quick returns. One skin or a thousand. Fur shipments held separate on request, and your furs back if our returns are not O.K.

"Trappers Guide" free to shippers. It will pay you to get our price list, shipping tags and catalogue of Trappers supplies; all sent free; write today.

E. W. BIGGS & CO.

1486 W. 9th St., Kansas City, Mo.

Largest hide and fur house in Southwest. Estab. 1882

ILLUSTRATED **OUR TRAPPERS GUIDE FREE**

FUR SHIPPER. SEND FOR IT. Information worth a fortune to you—DROP THE MIDDLEMAN—Try the SQUARE DEAL FUR HOUSE, the House that's DIFFERENT, this year. Write for Price List C. C. Valuable information as to PRIZES OFFERED, FREE. Write

WEIL BROS. & CO., Est. 1871, Box 29, Fort Wayne, Ind.

Capital $500,000.00 Paid



RAW FURS HIDES, SKINS AND WOOL **WANTED**

FURS ARE HIGH. Don't Sell till you get our Price List. Honest Grading is our motto. Custom Tanning scientifically done. Soft, silky robes, coats, gloves and other garments from hides and skins sent us at moderate cost. Highest Bank References. Est. 1891. Write.

OHSMAN, EFFRON & CO., BOX U-D CEDAR RAPIDS, IA.

Cash for Raw Furs

Why sell your skins at home when you can send them to us and save all middlemen's profits? New York is the best market in America. We pay cash for hides of Skunks, Minks, Coons, Opossums, Foxes, etc. Thirty years in the business. No commission charged. We stand express charges. Write for price list.

BELT, BUTLER CO., Exporters, 33 East 12th St., New York

NEW YORK PRICES FOR RAW FURS

are the highest in the country. We will pay the highest New York cash prices for your Muskrat, Skunk, Mink, Coon, Opossum, Fox and all other standard furs in large or small lots. We hold shipments separate on request. We charge no commission and pay all express charges. Send us your name and address at once and we will keep you fully posted.

STRUCK-CHAITIN CO., Dept. L, 8 East 12th St., New York

FOR YOUR HIDE'S SAKE

Have it tanned with the hair on for a coat, robe or rug. Moth proof, no smell. Freight paid on 3 hides. You furnish hide, we do all the rest and make coat for $10.00 up. Robes $5.50 up. Write for price list.

THE WORTHINGTON & ALGER CO., HILLSDALE, MICH.

FURS

The 1910 Trapping season is here. Our Price List is ready, a post card will bring it to you. We do not charge any commission and pay all express charges. Send today for our free Price List.

JASPER POTTS, 537 Chas. St., Wellsburg, W. Va.

—WORKS BOTH WAYS—

If you will mention this paper every time you write an advertiser even tho' you see the announcement in some other paper also it helps us. In turn we can make a better paper to benefit you. "Every little bit helps." Will you?

HIGHEST PRICES FOR FURS

I pay highest market prices, pay express charges on all shipments and hold them subject to your acceptance of my valuation, if desired. I charge **no commission or extras.** This is only possible because **I personally sort each skin and you can rely absolutely upon fair and honorable grading. My new interesting booklet explains the Co-operative Plan.** Shows why it pays to ship your furs to me—and why my **plan benefits you.** It will interest you, and I'll send it if you ask for it

Address me personally, VICTOR SLESINGER, Treasurer,

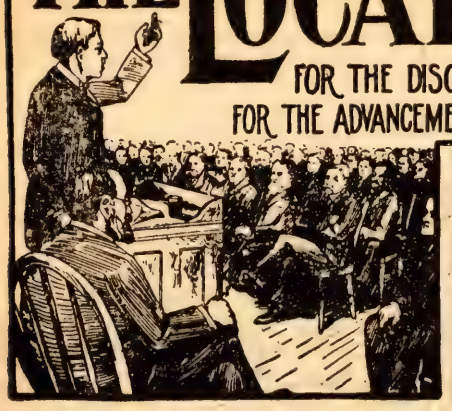
CO-OPERATIVE RAW FUR COMPANY

933 Jefferson Avenue Detroit, Michigan

WE SHARE PROFITS WITH YOU

THE LOCAL UNION

FOR THE DISCUSSION OF ALL FARM PROBLEMS FOR THE ADVANCEMENT OF CO-OPERATIVE FARMING



Think of what it would mean if one million farmers in the United States began 1911 with the determination to sell no more crops at prices lower than they should have.

—o—

What would be the effect on prices if those 1,000,000 farmers were a unit on the value of crops, demanding the same price and refusing to sell except when the price would be paid? What would be the effect upon every one of the million and all the other millions of farmers? What would be the effect on the price of farm land, and on all business in any way related to farming? And what effect would it have upon all the members of the families of the great agricultural class in their life, conduct and conditions, in five years?

—o—

Could one million farmers be brought to that condition by the first of January 1911; or the first of April; or any other time in the future they could positively exert a power that would stop the fatal, lower trend of prices for farm crops and send them up where they ought to be. That would mean about $450,000,000 more for the 1910 corn crop, just harvested; about $75,000,000 more for the wheat still in farmers hands; about $50,000,000 more for the oats still in farmers hands; about $15,000,000 more for the potatoes still in the farmers hands, etc.

—o—

This amount of money would mean the difference between failure and success; between loss and profit to millions of average farmers. It would mean a fair return on investment, a fair wage and a fair profit to all the workers on farms. It would mean very much more. Being distributed in every nook and corner of the country this extra money would enter every channel of trade through the little veins that feed the great arteries and give life to the great national industrial body, as nothing else could.

—o—

The farmer and his family would be happy because of effort and skill well rewarded; the integrity of his business and the value of his land would be secure. Having money he would buy the necessities, and some of the luxuries of life. Then the trades people would not cry "hard times," and the jobbers and manufacturers would not report "collections slow," and the bankers would not say to the borrower "money's awful scarce," because the life blood of business would be flowing in rivulets from the millions of farms to form the great streams of trade from and to the commercial centers.

—o—

But, you say, how do you know the result would be as you predict?

—o—

First, we have tested it and have absolutely proven, in 1903 to 1909, that our theory is sound. The good prices, and the maintained prices beginning in 1903 were due, not entirely to any organization of the farmers but to the fact that fair prices were declared by a central body and published to all the producers of the country.

Farmers fixed the prices in their minds, asked them and held for them and they were paid, because the world of consumers could not do without what the farmers had. The people off of the farms must have the products of the farms and if the first owners—the producers—refuse to dump them at prices made by others, their prices will be paid.

—o—

Why, it is one of the simplest problems that any people ever had to solve. We will show you how simple it is.

—o—

But first we want you to admit that the person or people possessing all of any necessary commodity has it in his power to make the price. You will admit this because you see examples every day when you buy machinery, coal, oil, fertilizers, etc., which are controlled in marketing.

—o—

So if the farmers keep control of their own crops; keep them out of the hands of speculators; KEEP THE VISIBLE SUPPLY DOWN; they will have no competition in price making. Then the demand would absolutely need to seek the supply owned by the first producers, instead of getting supplies from the middlemen's elevators and warehouses.

—o—

And this does not involve lack of supply in central markets. But what is stored there, for immediate demands, may be owned by the farmers just as it is now owned by middlemen.

—o—

But to show how simple the problem is:

The yield of wheat in 1910 was 691,000,000 bushels (Government report). The visible supply of wheat on November 26, was 54,000,000 bushels. Does it not follow that if 54,000,000 bushels of wheat that was marketed since the harvest would not have been marketed then there would not have been any visible; no wheat in the speculators hands to supply the demand, but the demand would have sought the wheat in the hands of the growers.

—o—

That would have made the opportunity and if the farmer asked $1.20 a bushel it would be paid.

—o—

54,000,000 bushels, visible, is only 7.8 per cent of the crop. If this amount had been held instead of being dumped there would not have been any visible, and the Chicago Board of Trade would not have dared to make prices of 90c or thereabouts while the farmers had all of the supply and wanted $1.20.

—o—

As there are about 2,000,000 farms in the country that produce wheat, it means that if each farm would have marketed 27 bushels less there would not have been any visible supply, or if 500,000 farmers would each have marketed 108 bushels less, than they did market there would have been no visible and the growers would have been absolutely in control of prices; or 200,000 farmers marketing 270 bushels less would have done it.

—o—

And the other crops are easier to control. Take corn:

The corn crop of 1910 is 3,121,000,000 bushels. Let us suppose that without any more control than would naturally be exerted, the visible supply next Jan. 15th will be 30,000,000 bushels. (The crop of 1909 was 2,772,000,000 bushels and the visible Jan. 15, 1910 was 15,000,000 bushels. The crop of 1908 was 2,927,000,000 bushels and the visible supply Jan. 19, 1907 was 13,000,000 bushels.) That would be slightly less than one per cent of the crop. If the marketing of corn is controlled between now and the middle of January, so that 30,000,000 bushels less will be marketed there will be no visible and the Chicago Board of Trade would not dare to make prices for present, or future delivery without taking into account the farmers. Then, instead of the speculators making the price 45 cents the farmers could compel the price to be 60 cents.

—o—

Or if 200,000 farmers would market 150 bushels less because of reading this paper and taking its advice there would be no visible supply of corn and the growers would absolutely be in command of the price.

—o—

Sentiment can create values. One million farmers reading a paper like UP-TO-DATE FARMING regularly will almost unconsciously exert an influence that will wipe out every visible supply, or make it so small as to be harmless to bear down prices. Yes, we believe half that number could easily do it.

—o—

Conclusion—Boost the circulation of this paper. Circulate its minimum prices, they are fair, reasonable, equitable and above all, any lower prices would not be profitable to the average farmer, who lives on the average farm and raises the average crops.

—o—

Think this over. Do you know of anything that you, Mr. Subscriber, can do that will serve you so well as to keep your subscription to this paper renewed ahead? Or can you think of any thing that you can do for that neighbor of yours that will help him upward and onward more than to give him a year's subscription to this paper?

—o—

As you think it over, and remember how the boards of trades and produce exchanges have made your prices always, and how the exploiters of your crops have been on your backs forever, do you not feel an irresistible desire to stay in the up-to-date army until the complete victory is won? Do you not feel that of all things you should do that the greatest, grandest and most necessary one is to extend the circulation of UP-TO-DATE FARMING?

—o—

Every person on a farm who wants better marketing conditions to prevail, and who wants his children to farm and market their crops under better conditions must feel this way.

—o—

About 50,000 subscribers expire with this issue. I want every one to renew. You may be solicited by the publishers of many other farm papers. I would not have you withold a subscription from one of them.

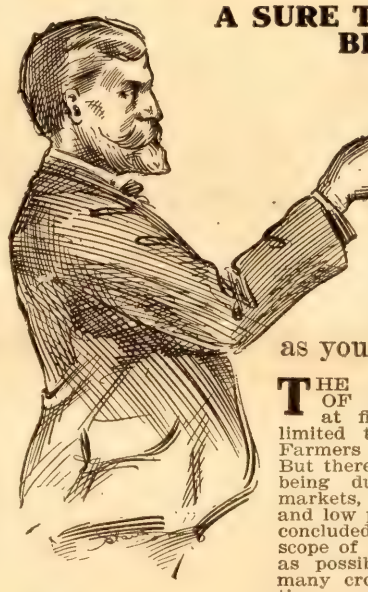
—o—

But my paper is different.

—o—

It IS constantly directing farmers

(Continued on Page 20.)



A SURE THING IS A THOUSAND TIMES BETTER THAN A GUESS

There is no Guessing

When you market through The Equity System. Personal, responsible representatives on 65 of the largest markets of the country are always ready to look after your shipments just as well as you could if you accompanied them.

THE EQUITY SYSTEM OF MARKETING was at first intended to be limited to members of the Farmers Society of Equity. But there are so many crops being dumped on illogical markets, resulting in gluts and low prices, that we have concluded to broaden the scope of the system as much as possible and bring as many crops under its direction as possible.

To this end each subscriber of Up-to-Date Farming or member of the F. S. E. is invited to report to us the crops he will sell in the next 30 days and we will put The Equity System to work on them. In a few days after you mail the blank, below, you will receive INSTRUCTIONS FROM HEADQUARTERS WHERE TO SHIP TO THE HIGHEST AND BEST MARKET. This service is now free to SUBSCRIBERS whose time is paid in advance as well as to MEMBERS.

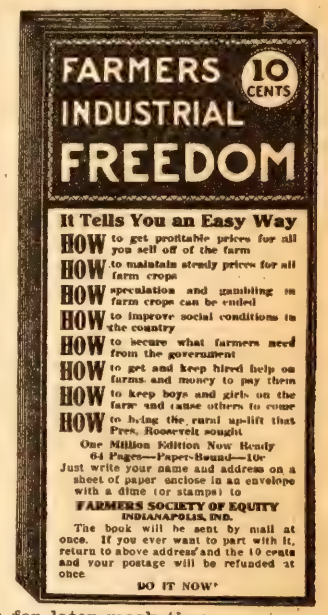
We believe members of the F. S. E. will approve of this step because they are interested in bringing as much of the crops under control as possible, to prevent gluts. Understand, there is nothing in this that urges marketing at low prices. On the contrary we want every farmer to keep the minimum prices in mind and hold for them. But our purpose is to direct the crops, that will or must be sold, to the best markets. Also, farmers who use The Equity System and get more money for their crops and have less trouble in marketing, will become members and spread the Society in their communities.

Therefore, any crops that you expect to market, or ship for storage, in the next 30 days list them below, but no others. Blanks will be printed in future numbers for later marketing.

If you have not read the great book "Farmers Industrial Freedom" send 10 cents with the blank. It is a complete education on marketing.

If you want all your crops are worth send the blank below.

FARMERS SOCIETY OF EQUITY, Indianapolis, Ind.



Name of Crop	Quantity	When Ready	Variety, Class or Grade

This report is from..... P. O.....

R. R..... Shipping Station..... State.....

Are you a member of F. S. E.....

Are you a paid in advance subscriber to Up-to-Date Farming.....

WHAT THE TELESCOPE REVEALS

Crop Prospects, Market Reports and Hints for Up-to-Date Farmers

MINIMUM PRICES 1910 CROPS

We believe the following are fair and equitable minimum prices for the crops mentioned. We believe conditions of supply and demand are such that these prices will be paid before the next crops are produced. Certain it is that if producers will hold their crops and ask these prices they will be paid, because the world of consumers cannot get along without them. The farm price will be the minimum price less freight and a fair commission to the handler.

Minimum prices on other crops will be announced later.

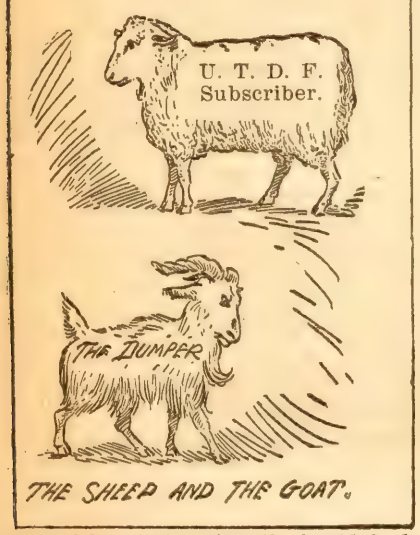
WHEAT—No. 2 red, at Chicago.....$1.20
WHEAT—No. 1 Northern (Spring) at Minneapolis, ... 1.20
CORN—No. 2, at Chicago, before Jan. 1 ..... .60
CORN—No. 2, at Chicago after Jan. 1 ..... .65
OATS—No. 2 white, at Chicago..... .47
BARLEY—Good malting, at Chicago.. .75
RYE—At Chicago ..... .75
BUCKWHEAT—At home ..... .85
BEANS—at Detroit .....$2.50@2.75
TIMOTHY HAY—Choice, at Chicago Per ton .....$20.00@21.00
CATTLE—Choice to Fancy Steers, at Chicago, per cwt.....$7.50@8.50
HOGS—At Chicago, per cwt...$7.00@7.50
POTATOES—Good to choice .....35@40c
CABBAGE—Choice, at Chicago Per ton $20.00
BROOM CORN—At Chicago, $150@175
COTTON—At Galveston, New Orleans, Mobile, etc., per lb. 15c

WESTERN RECEIPTS OF GRAIN

Comparisons, Dec. 5		and year ago.
Wheat, bu.....	**1,130,000**	**742,000**
Corn, bu.....	**825,000**	**850,000**
Oats, bu.....	**680,000**	**349,000**

ADVICE—Hold wheat, corn, oats beans and broom corn. Market gradually barley, hay, cattle, hogs, potatoes, cabbage, apples and cotton.

SECRETARY WILSON has issued his advance report of the Dept. of Agriculture for 1910. It is very interesting and in some respects it is a remarkable publication. We will analyze it in future numbers but now we want to say that it is



a powerful protest against the lopsided education that farmers' friends and institutions have been giving.

From the report we learn, but we had suspected as much before, that the corn crop, while the largest, the country ever produced, "its value (December 1st) is below the crops of 1909 and also of 1908"; that the wheat crop is only 45,422,000 bushels less than last year, but it is valued (December 1st) at $105,000,000 less; that the oat crop also exceeds any former crop by 89,000,000 bushels, but its valued (December 1st) is 28,174,000 dollars less than the next largest (1909); that barley was a short crop, 158,138,000 bushels, but is valued at $97,000,000 which is $4,000,000 more than the crop of last year, which was 170,284,000 bushels—12,146,000 bushels larger; while "flax seed" the secretary says, "is far below that of recent years in production, but the value of the crop has been exceeded only once before last year."

Summing up the cereals the secretary says:

> In no previous year has the production of cereal crops equaled the grand total of 5,140,896,000 bushels for 1910. This is 13 per cent. above the five year average. In value, however, the cereals of this year fell below that of 1908 and 1909. This year's value is $2,710,000,000 or about $230,000,000 below the value for 1909 and $50,000,000 below that of 1908.
>
> A gain compared with 1909 is made in the value of cotton lint and seed of $130,000,000; $30,000,000 for hay and $3,000,000 for barley (note, all of these were small crops) A loss is sustained on the following, compared with 1908 as follows: Wheat amounting to $104,000,000; corn, $98,000,000; oats, $26,000,000; potatoes and wool, $23,000,000 each (all of these were large crops).

DUMPERS! They are responsible for these anomolous conditions and the lopsided education farmers have received is responsible for making the dumpers. Readers of this paper are not dumpers and could it reach enough more producers the dumpers would be so scarce that crops would sell at fair prices for the first bushel marketed and the last one.

The following figures tell the market story. They are not given as a guide for shipping, but so our readers can know the tread of demand, supply and values. The person who will read this page carefully and continuously and note the comparisons will soon find it indispensible. For actual marketing depend on the Equity System reports which will be sent from headquarters to subscribers on application.

VISIBLE SUPPLY

The visible supplies of grain in the United States, by Bradstreet's reports on November 26, 1910, with comparisons are shown in the following tables: (The sign — before figures mean decrease, X means increase.)

	November 12, 1910	Change from two weeks before
	Bushels.	Bushels.
WHEAT	54,432,000	X 824,000
CORN	3,195,000	—1,123,000
OATS	24,159,000	— 506,000
BARLEY	3,277,000	— 462,000

Change from a year before	Change from 2 years before	Change in same period last year
Bushels.	Bushels.	Bushels.
X4,613,000	—5,905,000	X1,950,000
—2,326,000	—1,999,000	X1,055,000
X4,518,000	X9,201,000	— 530,000
—2,754,000	—6,006,000	— 878,000

COTTON—The aggregate world's visible supply of American and other cotton last week, as made up by the New Orleans Cotton Exchange, is shown, with comparisons:

Week ending	Nov. 25, 1910	Nov.18, 1910	Nov.26. 1909
American	3,282,898	3,129,513	3,811,719
Other kinds	724,000	670,000	748,000
Total	4,006,898	3,799,513	4,557,715

The total visible increased 524,699 bales in two weeks.

Price of Cotton, New York, Dec. 5—Middling uplands, 15.05c: Middling gulf, 15.30c. The price is 50c a cwt. higher than two weeks before.

CLOSING PRICES OF CASH GRAIN

Cash grain in the leading markets closed on Dec. 5, 1910 as follows:

	WHEAT NO. 2 RED			CORN NO. 2 WHITE			OATS NO. 2 WHITE	
	Nov. 19.	2 wks before	Nov. 19.	Nov. 19.	2 wks before	Nov. 19.	Nov. 19.	2 wks before
Chicago	93¾@ 94½	92⅛@93½	51 @	51½	51½@52	34	@34¾	32½@33
St. L.	.96 @$1.00½	96 @97½	47½@	49½	50½	33	@33¼	34 @34½
Kas. C	95 @ 96	94 @95½		45	50		33	32 @35
Cincin	.96 @$1.00	95 @98	54 @	54½	55 @56	34	@34½	33 @33½

Minneapolis—Wheat, No. 1 hard, spring, $1.05½; two weeks before, $1.06. No. 1 Northern, $1.04¼; two weeks before, $1.04@1.05.

FUTURE GRAIN PRICES

Chicago futures closed on Dec. 5, as follows:

WHEAT—Dec., 91¾c; May, 97¼c; July, 94⅝c. Two weeks before, 90⅞c; 96¾c and 93⅛c, respectively.

CORN—Dec., 46⅞c; May, 48¾c; July, 49⅝c. Two weeks before, 44⅞c, 46¾c and 47⅝c, respectively.

OATS—Dec., 32⅛c; May, 34⅞c; July, 34⅜c. Two weeks before, 30⅝c, 33⅞c and 33⅞c, respectively.

CHICAGO PRODUCE MARKET

December 3, 1910.

POTATOES—Arrivals by cars, with comparisons, follow:

	This week.	Last week.	Last Year.
Monday	67	59	68
Tuesday	87	65	41
Wednesday	27	31	25
Thursday	49	*	41
Friday	37	68	50
Saturday	62	45	33
Total, 6 days	329	266	258

The only sale learned of today was a part of a car of Michigans in sacks at 43c. There was not enough business transacted to make a market. In the absence of trading values were called nominally unchanged. Buyers had the advantage, yet they did not make any effort to trade. The local retail business has been slow, which accounts for the limited demand for car lots. Dealers also report a slow outside trade. Receipts were larger than last week as well as for the same time a year ago.

Prices

Per bu. Michigan, round, white, common green to good .....$	40@ 45
Really nice, ripe possibly	46@ 48
Wisconsin, mainly immature stock, small or large and hollow	35@ 40
Fair to good	41@ 45
Kings, fair to choice	38@ 43
Fancy possibly up to	@ 45

New Potatoes—Rule quiet. Some red stock was received from the East and was selling moderately at $7.00 per barrel.

The price is about the same as two weeks before.

(Note.—Our observation has led to the conclusion that Chicago prices on potatoes and much other produce is usually lower than in other outlying cities. Chicago, on account of its prominence, gets the dumpings when the shipper is in doubt where to send. Also, many heavy dealers, located in Chicago, first seek to have shipments sent there and then they distribute them to other markets. The wise thing for our readers to do is to ship direct to the market of final consumption, which the Equity System accomplishes. Editor.)

HAY—Offerings light of both Timothy and Prairie Hay. Demand good and prices firm.

Choice Timothy Hay.....	$19.00@20.00
No. 1 Timothy	17.50@18.50
No. 2 Timothy	15.50@16.50
No. 3 Timothy	12.50@14 00
Kansas and Oklahoma Prairie, choice	15.00@16.00

The price is a shade higher than two weeks before.

BROOM CORN—Offerings are fair. Choice, per ton, $130@140. Medium, $110@120. Common, $90@100.

The price is the same as two weeks before.

BEANS—There has come over the market a weaker feeling lately for Pea Beans. The demand has become smaller. This is natural; it always drops off toward the end of the year. Supply is fair, not large. Brown Swedish and Lima Beans have remained steady owing to rather small supply of these kinds.

Quotable as follows:

Pea Beans—	
Hand-picked, choice	$2.18@2.23
Good but not strictly hand-picked	2.10@2.12
Off grades	2.05@
Mediums nominally about same as Pea Beans.	
Red Kidneys	2.75@2.90
Brown Swedish	2.75@
Limas, California, per 100 lbs .	5.60@

Price of Pea Beans about 7c a bushel lower than two weeks ago; others about the same.

APPLES—There is a good strong tone to the market. Demand is good both for barrels and boxes. All grades are salable. Few barrels now coming and receipts also are falling off of Western boxes. Trade will be centering steadily more in cooler stock. There has been little change in prices lately.

In the descending order of grades from fancy, choice and No. 1 there is a discount of 50 to 75c for each grade per bbl.

Baldwins, New England, No. 1, $3.50@4.00, New York, No. 1, $3.75@4.00; Pippins, all kinds, No. 1, $3.50@3.75; Greenings, fancy, cold storage, $4.75@5.00, good to choice, $3.50@3.75; Wine Saps, No. 1, $3.75@4.00; Twenty Ounce Fancy, $4.75; Talman Sweets, $3.25@3.50; Grimes Golden, choice, $4.00; Ben Davis, No. 1, Missouri, $3.50@3.75, New York, No. 1, $3.00@3.50; King, No. 1, $4.00@4.50; Jonathan, good, $4.00@4.50; Wagners, $3.25@3.50; Snows, No. 1 to fancy, $4.00@4.25; Spies, No. 1, $4.25@4.50; York Imperial, No. 1, $3.50@3.75; Russetts, No. 1, $3.50@3.75.

Cooking Apples, different kinds, good to choice, $2.75@3.50. No. 2, all varieties, good to best, $2.50@3.00.

The price is about the same as two weeks before.

EGGS—The receipts at Chicago (not including through shipments) for the days mentioned were as follows:

	This week.	Last week.	Last year.
	Cases.	Cases.	Cases.
Monday	2,416	2,548	5,693
Tuesday	2,993	2,467	4,693
Wednesday	2,535	2,748	4,439
Thursday	2,608	*	3,011
Friday	1,580	2,578	4,517
Saturday	2,176	1,931	3,394
Total	14,308	12,272	25,747

*Thanksgiving Day.

Receipts, April 1, 1910, to Dec. 3, 1910, 2,732,820 cases.

Receipts, April 1, 1909, to Dec. 4, 1909, 2,734,674 cases.

Receipts, April 1, 1908, to Dec. 5, 1908, 2,517,575 cases.

Firmness continues to prevail in this market, and prices again higher.

The following quotations were established by the Butter and Egg Board:

Miscellaneous lots, cases returned, 23½@26½c, depending on quality.

Ordinary Firsts quotable at 29c.

"Firsts" quotably 31c per dozen.

"Prime Firsts" quoted at 33c.

Checks or Seconds quotably 15@17c.

Dirties quotably 18@20c per dozen, according to quality.

Refrigerator Eggs are offered freely, and the demand is light. No official quotation given.

The price is about 1@3c per dozen higher than two weeks before.

MISCELLANEOUS

Florida had a frost on Dec. 1 that damaged the early vegetable crop.

New potatoes from Bermuda are on the market.

A factory for manufacturing potato flour has been started at Hallwood, Va. The potato flour is shipped to all parts of the country to starch and yeast factories. "The success of the enterprise foreshadows the establishment of the enterprise in other localities" says the dispatch.

The potato crop in France was very short and there is good prospects that some can be exported from this country to that.

Two million apples were on exhibition at the National Apple Show held in Chicago the week of November 28th.

A dispatch from New York on Dec. 5 said that James A. Patten, Eugene Scales, Wm. P. Brown and others were indicted again by the Federal Grand Jury, charged with conspiracy to monopolize interstate commerce in available cotton during the last four months of the crop year ending Sept. 10, 1910.

Clark Paper an Mfg. Co., of Rochester, New York, manufacture apple cushions. They are quite inexpensive and their use prevents apples from bruising in shipping.

Sellers of bad eggs have been arrested in several cities. This activity by the officers of the law will have a good effect in favor of producers and consumers.

A report from Rochester, N. Y., says that fewer apples are store in Western New York than for years.

Twelve geese are under training in New York to later appear in grand opera with Caruso and other famous singers.

A shortage of cars in many heavy potato producing sections has kept down the shipments and probably helped to maintain comparatively steady prices The inequity of this kind of control is in the fact that on some railroads and at some stations there have been cars whenever called for while at others there were none and no potatoes could be shipped.

This is garden planting time in Florida and South Texas.

A report from Philadelphia says that the bakers in that city and other cities have a corner on the bad and rotten eggs. So close is their control that tanners, who use spoiled eggs in their business, cannot get their needed supply.

The Equity System of marketing as maintained by this paper for the benefit of its subscribers embraces, at present, 65 large markets and personal representation on each. All the representatives have had years of experience in handling farm produce and were selected with special reference to honesty, financial responsibility and practical experience. They do not buy produce, but act as the agents of the shippers. Equity System marketing means avoiding many of the old toll gates, the same attention to shipments as though the owner accompanied the car and more money returns. No other paper attempts to perform such a service.

From "Wagner's Letter" we quote this:

> Sentiment creates wheat values. The United States farmer is just as willing to preserve $1.00 wheat as his "Pard" in Argentine, Russia, Australia, India, etc. High prices maintained means an additional credit of $50,000,000 scattered where it will do the most good. Good business and satisfactory grain prices are synonymous. The world tendency is to shout, "Wheat ease—75-cent wheat!" Professor Johnson, dean of the New York University School of Commerce observes—"In all agricultural products there is a force at work making for higher prices—independent of the increasing cost of production."

The preliminary official report of Russia places the yield of spring wheat at 524,000,000 bushels, oats 1,100,000,000 bushels and corn 76,000,000 bushels. The final official report last year placed spring wheat at 575,000,000 bushels, oats 1,207,000,000 bushels, corn 39,600,000 bushels.

The Modern Miller's December crop outlook bulletin says: The condition of winter wheat averages low in the principal producing states, in most of them being far below a year ago, caused by the long drought. Hessian fly is reported in several states, but no damage is indicated therefrom. An increase in the acreage is generally reported, but the gain is not so large as a year ago.

Hessian fly in the fall wheat is almost sure to be fatal unless followed by a wet spring. Query, will next spring be wet or dry?

Tell them you saw the "ad" in Up-to-Date Farming

BUY THE LOWEST COST ENGINE *MADE.* Lowest fuel cost; lowest up-keep cost; easiest on the machine it operates, delivering steadier power than any other gasoline engine, adapting it especially for operating farm machinery, with better results and least waste of grain. Lowest fuel cost for it runs on Gasoline, Kerosene, Distillate, Gas or Alcohol and has perfect lubrication. Lowest cost because it delivers greatest available power per horse. A slow speed, high duty engine. Starts easier and quicker than any other engine, occupies less space, is less cumbersome, with less vibration, therefore adapting it for either stationary, portable or traction use. **IT IS THE POWER CONTRACTOR'S FAVORITE ENGINE.** No engine made has so wide a range of use. **YOU WILL MAKE A MISTAKE IF YOU DO NOT WRITE US FOR INFORMATION.** 1½ H. P. to 5½ H. P. single cylinder. 6 to 20 H. P. two cylinder. 30 to 50 H. P. four cylinder. State your requirements and get our advise. **THE TEMPLE PUMP CO., Manufacturers, 432 West 15th St., Chicago, U. S. A.** This is our 58th year.

The Equity System

and branches are located in the following cities. Directory, names of representatives and full directions are sent to each new or renewal subscriber to Up-to-Date Farming.

ALABAMA
Birmingham
Huntsville
Mobile
Montgomery

ARKANSAS
Pine Bluffs
Fort Smith

CALIFORNIA
Los Angeles

COLORADO
Denver

GEORGIA
Atlanta
Macon

ILLINOIS
Cairo
Chicago
Peoria

INDIANA
Rochester

NEBRASKA
Omaha

NEW JERSEY
Newark

NEW YORK
Albany
Buffalo
New York
Syracuse

N. CAROLINA
Raleigh
Wilmington

NORTH DAKOTA
Bismarck
Grand Forks
Fargo

OHIO
Cincinnati
Columbus
Toledo

Indianapolis
Terre Haute

IOWA
Burlington
Des Moines

KENTUCKY
Louisville

LOUISIANA
New Orleans

MARYLAND
Baltimore

MASSACHUSETTS
Boston

OKLAHOMA
Oklahoma City

PENNSYLVANIA
Harrisburg
Johnstown
Philadelphia
Scranton
Wilkesbarre
Pittsburg

RHODE ISLAND
Providence

TENNESSEE
Chattanooga

Knoxville
Nashville

MICHIGAN
Bay City
Detroit
Grand Rapids
Kalamazoo
Saginaw

MINNESOTA
Duluth
Minneapolis
St. Paul

MISSOURI
Kansas City

Saint Louis

TEXAS
Austin
Fort Worth
Galveston
Houston

UTAH
Salt Lake City

VIRGINIA
Lynchburg
Norfolk
Richmond

WISCONSIN
Milwaukee

LOCAL UNION

(Concluded From Page 18.)

where and how to market as well as teaching how to produce the crops.

—o—

It is **THE ONLY ONE** that does this There are over 400 that are constantly teaching how to make two blades of grass, two ears of corn, two heads of wheat, two potatoes, two apples, two bolls of cotton, etc., grow where only one grew before, which you know very well already, while mine tells you how to put two dollars of profit in your pocket where only one went before.

—o—

No other paper attempts to render such service. I don't know why; I won't try to say why; but **IT DOES NOT.**

—o—

You can renew now for **TWO** years —1911 and 1912—for 50 cents; or **FIVE** years—1911, 1912, 1913, 1914 and 1915—for $1.00. Or you can send new subscribers at the same rate.

—o—

You will never be able to do better than this because the subscription price will be avanced soon.

—o—

So don't lie down now and wait to see how this great farmers problem of marketing crops is going to be solved but be one of those to wear the laurels when it is solved as it will be soon. I want you to be a positive force, a live wire.

—o—

So I repeat, think it over, but don't neglect to act. 50,000 subscriptions should be renewed before this year dies and the new year is born and my very earnest wish is that 50,000 new subscribers will be sent along.

—J. A. EVERITT, Editor.

TALKS BY THE MANAGER OF THE EQUITY SYSTEM

John Hoyt, Indianapolis

For our mutual benefit I will publish recommendations as I am able to make them, relating to the best methods to be followed when shipping to the Equity System. These are not iron-clad regulations that must be obeyed, but recommendations, the observance of which, I believe, will aid our shippers materially in saving expenses and insuring quick and remunerative sales.

When shipping potatoes and other perishable produce during the winter season, always order refrigerator cars. When an ordinary box car is used it has to be lined, a stove erected and an attendant accompany it and keep fire in the car until its destination is reached and contents disposed of; this all at the shippers expense, besides the payment of the attendants return fare.

Sacked potatoes find the readiest sale. The sacks should always be sewed; never tied. Two and one-half bushel sacks cost about 5 cents and will insure your receiving 3 cents more per bushel. Stores and commission houses will frequently purchase in sacks and pay top prices rather than handle loose, though cheaper potatoes; especially is this the case when labor is scarce, for when sacked, demurrage, drayage and labor charges are saved altogether, or reduced to a minimum. Another advantage in using sacks is that some of the best markets will not accept potatoes, except when sacked. This is the case with the Southern markets and those of the Atlantic Seaboard, the points where frequently the best prices prevail. It is frequently the case that on account of an unexpected glut at a market to which we have consignments in transit, it is necessary to divert to a more favorable market and the diversion of loose potatoes is sometimes a serious problem if they must be transferred from one car to another.

Small and medium sized cabbage should be selected when possible for shipment to city markets. Dealers find it hard to dispose of large heads, no difference how good the quality may be as it seems the city consumer never wants more than can be used at one meal.

There is frequently a difference of 5 to 10 cents a bushel in the price of potatoes in markets not remote from each other and similar variations in other articles. The lowest prices are usually in the biggest, most prominent market. The Equity System guards its shippers from the low markets and sends produce to the best demand as evidenced by the best price. See list of Equity markets in this issue.

OBITUARY

James Howey, of East Jordan, Michigan, departed this life on Sunday, November twentieth, nineteen hundred ten. Age fifty-eight years and twenty-five days.

Mr. Howey was one of the old members of the Equity movement and always was active in organization work, in attendance at national and other conventions and in every activity toward the development of the Society. In all of his activities he was ably supported by his accomplished wife who survives him and who has the heartfelt sympathies of a wide circle of intimate friends, immediate neighbors and Equity members all over the country.

Mr. Howey became a member of the original American Society of Equity in its early years and through his efforts his county was well organized and the farmers reaped the rich fruits of organization. When the disastrous change was made in 1907 he refused to subscribe to the new plans but held loyally to the original plan and the true Equity principles and continued to be one of the strong supporters of the founder of the Society in his endeavors to rescue the Society. Later, when it was evident that the conspirators who captured the original Society were determined in its destruction, Mr. Howey became as enthusiastic in work for the Farmers' Society of Equity as he ever was for the old society. He was elected vice president of the Michigan State Union in 1909 and treasurer in 1910, which office he filled at the time of his death.

The following resolutions were adopted by the Michigan State Union of the Farmers Society of Equity on the death of Mr. Howey:

Resolutions

WHEREAS, For the first time death has entered the ranks of the Michigan Union of the Farmers' Society of Equity, and our State Treasurer, Mr. James Howey, a faithful and earnest worker for Equity has passed to his heavenly home.

THEREFORE, Resolved, That we, although mindful that we must bow in submission to the Divine Will, are no less conscious of, of the great loss we have sustained, and hereby express our deep sorrow in the death of our beloved Brother. And be it further

Resolved, That we extend our heartfelt sympathy to his wife and children, in the great loss they have sustained.

Resolved, that a copy of these resolutions be sent to the family and that they be printed in our official paper "Up-to-Date Farming." Also a copy be spread on the minutes of our Union, as an enduring expression of our sorrow.

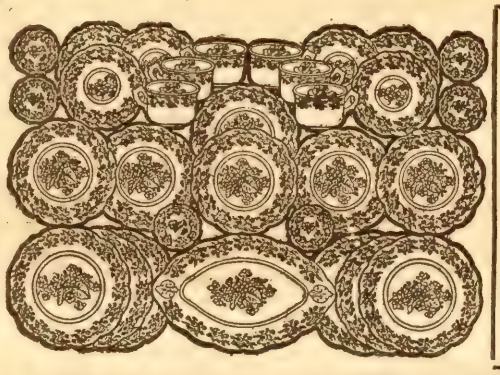
Directors,
W. H. BEEMAN,
CHAS. A. MARTIN,
DAVID ROUSH, Pres.
CHAS. A. EDGECOMB, Sec.

In Mr. Howey's death the CAUSE OF EQUITY has lost one of its most valued supporters as while he was in good health he was one of its most strenuous and successful defenders and promoters.

In the Oct. 15 and Nov. 1 issue of this paper the Youth's Companion made a special offer to readers. Your family needs this paper another year. Look up the offer and send in the coupon. Or, if you mention UP-TO-DATE FARMING and write now, sending $1.75 you will get the Companion a full year every week, 52 issues, and the fine art calendar for 1911. It's worth doing now.

Steel Shoes! Wonderful if true. You know how steel wears. Compare steel with leather for wearing qualities. Have you ever wished for shoes to wear like iron? Steel shoes will. Investigate. Send to the Steel Shoe Co., Dept 59, Racine, Wis. for full particulars You can have a f ree examination if you want it. Write today for catalog.

I Give This Dinner Set to You Free



Two Extra Gifts

The dishes are not all you get by any means. I also give with each set of dishes a beautiful Surprise Box of 40 gorgeous post cards, no two alike. I also give a splendid extra surprise gift—something of considerable value. I'll tell you all about these extra gifts when you send me the coupon below, and I have still another surprise for promptness.

I WILL GIVE THIS BEAUTIFUL 33-PIECE DINNER SET TO EVERY WOMAN WHO READS THIS NOTICE

The above picture gives a faint idea of the beautiful Rose design and the size of each piece. The set includes 6 cups, 6 saucers, 6 plates, 6 butter dishes, 6 fruit or cake plates, one meat platter, one deep vegetable dish, one large bread plate.

In the center of each plate or dish there is a beautiful cluster of bright roses, surrounded by green foliage, all in perfect natural colors. Around the edges of each piece there is a very heavy design in gold. They were all pure white, and dainty enough to delight the most fastidious housekeeper. You can earn this set in a very few minutes of your spare time.

If you really want this gorgeous dinner set, fill out the coupon and I will send you prepaid 115 Sharp's best needles, darners and bodkins, all fitted in a handy and convenient needle case. Show them to your friends and ask them for 25 cents each, in connection with a special offer I will authorize you to make. When you have collected only $4.00 for us on the offer I will authorize you to make the lovely dinner set will be yours. Put your name on the coupon and send it at once. We give two EXTRA PRIZES for promptness—so hurry.

Just Sign Your Name---Send No Money

The Weekly Star Farmer,
Dept. 12, St. Louis, Mo.

Please send me the 115 needles, and I will do my best to secure a club for the Dinner Set.

Name .....

Address .....

APPLICATION FOR MEMBERSHIP

1 DOLLAR

FARMERS SOCIETY OF EQUITY,
Indianapolis, Ind.

I .....

P. O......*R. R.*..... *State of*.....

make application to become a Member-at-Large of the Farmers Society of Equity and accompany this with the required fee of One Dollar.

I realize fully the disadvantages that attend the marketing of farm crops by the old system and I also appreciate the great benefits that must come to me and all other farmers if we will cooperate in marketing through THE EQUITY SYSTEM of the Farmers Society of Equity.

Therefore, to secure its benefits for myself and family, and to aid and encourage my brother farmers who are in the organization and set an example for those outside of it, I agree to help work out the object of our Society; exert myself, as possible, to secure new members and in every way to cooperate with the National Union and my local union (If I am a member of one) in all things that are to my interest and the welfare of the Society.

I further agree to attend the meetings of my local union, (when a member of one) to assist in its programs, to talk, praise and promote the Society, by voice, pen, the wearing of the official button and distribution of literature, as may be convenient, to its upbuilding throughout America.

It is agreed that the payment of $1.00 makes me a Member-at-Large with dues paid in the National Union for one year from date; pays for one year's subscription to the official paper; (if your time is paid in advance it will be extended a year) gives me crop and market reports and the benefits of The Equity System of Marketing.

Signed ..... *Date*.....

Cut this out and send to the FARMERS SOCIETY OF EQUITY, Indianapolis, Indiana.

GARDEN AND ORCHARD.

(Concluded From Page 13.)

called, is resorted to in such cases in order to arrest the rot and save the tree—at least for a time, as all cannot be restored as good as new. Sometimes the rot has become so extensive that to lengthen the life ten years is all that can be accomulished.

Tree-surgery is practically in its infancy, yet I have seen some fine examples of it done by ordinary persons, who used just horse-sense and good judgment. The first thing to do is to excavate the hole in the tree down to the good wood, or as it is usually expressed, to the "quick." This must be done thoroughly and as smooth as it can be done. The tools used by the professional tree surgeons are a number of different sizes of curved scrapers, none of which I have seen on the market, but it is a poor blacksmith who cannot make them any size desired from an old corn-knife.

After the excavation is ready, the edges of the outer-bark and the cambium layer, or inner-bark, should be made raw, which can be best done with a medium wood-rasp. This is done to excite it into growing. The mixture for packing in the cleaned-out hole is one-third lime-stone dust and two-thirds best Portland cement. Or, one-third fine sharp sand to two-thirds of the cement. This must be thoroughly mixed, and packed carefully in so that the hole will be completely filled. The mortar should be about the consistency of that used in laying bricks, and be all put in at one operation.

The outer surface, which is exposed should be rounded off the shape of the tree, and the edges of the bark, and cambium layer cleaned free from all cement. At Nunda, N. Y., I saw an eight inch hole which had been completely closed over. It was three feet in length and eight inches wide, and was done by a farmer, who has many other as fine jobs to his credit.

BALANCE YOUR ACCOUNTS

You will recall my advice given early in the season to keep accurate accounts with your garden and orchard, charging each with all they cost to run them, and crediting them with all they produced, which is very easy to do. Did you do it? If so, make a balance now, and you will soon know whether you worked for a profit or "for your health." If you did not keep accounts, as all farmers should, you do not know whether you run the garden and orchard at a profit, or at a loss, do you?

What would become of any other business man who did not keep accurate and strict accounts, and yet, the farmer is one of the largest of business men. Let us consider a farmer in the middle-west with a hundred and sixty acres worth a hundred dollars an acre, and whose stock, and equipment is worth four thousand dollars. His capital is twenty thousand dollars, enough to equip three good-sized country stores, and yet many do not keep a set of books. But happily, the higher education of the farmer's children is rapidly bringing business ideas to the farm and soon the farmer who does not have a double-entry set of books will be found on a "patch" in some desolate region.

At the gladsome Holiday season, when relatives and friends are sending broadcast beautiful Christmas cards of "Peace on Earth and Good-will to Men," I would like to receive a card of good-will and appreciation of my work from my beloved readers.

Sincerely,
SAMUEL ARMSTRONG HAMILTON,
Garden Editor.

Lady (in party viewing the foundry)—"And which is the foreman?"
Casy (proudly)—"Oi am."
Lady—"Really?"
Casy—"Oi can prove it." (Calls to moldr) "Kelly, Kelly! yer foired."—*Harvester World.*

FIVE FULL YEARS

1911—1912—1913—1914 AND 1915

FOR ONE DOLLAR

Address Up-to-Date Farming, Indianapolis, Ind.



My 1911 Offering of 15 Beautiful 12-Color and Gold and Silver and Embossed Souvenir Post Cards, Called FRIENDSHIP FAVORS Which You can get FREE for a Small Favor

---J. A. EVERITT, Editor.

It is positively impossible for me to convey to you, in words, even a slight idea of the real beauty, richness, value, appropriateness and fascination of these post cards. Every person, on seeing them first, exclaims, "I had no idea they were so beautiful!"

Each card portrays a popular flower in its natural colors, but rivals nature in beauty. To this the artist has added his skill to ornament and the poet his talent to express appropriate sentiments. The beauty of the flowers; the exquisite color effects secured from the 12 printings and embossing and gold and silver; the appropriate verses and greetings and artistic arrangement of all, entitle these Souvenir post cards to a class by themselves.

This is the Way You Can Get Them

I guarantee that these cards will even surpass any expectation you may have of them.

Send 10 cents and a NEW TRIAL SUBSCRIBER to Up-to-Date Farming for two months, four issues, and I will send you 15 FRIENDSHIP FAVORS Souvenir post cards as a reward and tell you how to get 50 more equal to them. different.

I know you will want the **BIG COLLECTION** when you see the 15 and you can get it without cost and almost without an effort. The **FRIENDSHIP FAVORS** will prove the most enjoyable cards you ever had, for a collection or for correspondence. Messages written on them express much more than the written words can and there is such a great variety in the 50 that one can be selected to suit the fancy of any person and for all times and occasions.

MY ONLY OBJECT in making this offer is to get a great many **NEW TRIAL SUBSCRIBERS** at once. When my paper is read a short time it is found indispensible on any farm and a renewal for a year or more results.

So please (some person in your family,) send me the **NEW** trial subscriber at once. If the beauty and value of my Friendship Favors post cards were known to all subscribers as they know the value of UP-TO-DATE FARMING the circulation would grow by leaps and bounds.

But take my word.

I am very anxious to have each present subscriber send one new one. I repeat the offer:

A two months trial subscription to Up-to-Date Farming (Just to introduce it.) **10 cents, and 15 Friendship Favors post cards to reward you.**

Cards not the equal of these sell at 5c or 2 for 5c many places.

Send the coupon and get your reward by return mail.

J. A. EVERITT Editor, Up-to-Date Farming, Indianapolis, Ind.

—CUT OUT AND MAIL THIS COUPON—

J. A. EVERITT, Editor,
Indianapolis, Ind.

I enclose 10 cents and send a **NEW** trial subscriber to UP-TO-DATE FARMING for two months according to your offer in December 15, 1910, number. Please send me the 15 **FRIENDSHIP FAVORS** Post Cards promised.

My Name .....
My Address .....
The new Subscriber .....
His Address .....

BUSINESS EXCHANGE

This Department is Intended to Bring Buyers and Sellers Together at Moderate Cost

RATES—The Cost for Advertising Under This Head is 6c a Word Each Insertion

Agents Wanted

LADY OR GENTLEMAN, fair education, to travel for old established house. Salary, $12 per week to start. Expenses advanced. Geo. G. Clows, Dept. F, Philadelphia, Pa.

WHY STAY AT HOME when you can earn $100.00 to $150.00 monthly selling Scriptural Flower Mottoes. Retails quarter. Samples 3 for 40c, 6 for 75c, 12 for $1.00 postpaid. F. H. Arnesen, 1864 N. Leavitt, Chicago, Ill.

Business Chances

WANTED—A PARTY with $500 to $1,500 to manage a small farm. Man with farming or gardening experience preferred. Unusual opportunity for a hard working, capable and reliable party. Returns $1,000 to $2,000 a year above expenses assured. Address, giving particulars. P. O. Box 196, Indianapolis, Ind.

Farm Lands For Sale

CUBA. Most productive soil. Delightful and healthful climate. Ample rainfall. Cheapest transportation facilities to the world's greatest markets. Particulars free. Sanderson, 70 Palace Bldg, Minneapolis.

I HAVE FOR SALE in Greneda county, Mississippi, 1,840 acres of land; 100 acres are now in cultivation, 200 acres could be put in cultivation at very little cost; eight houses on the property and two deep wells. This would make an excellent stock farm. To close an estate, I will sell this property for $7 per acre. There are 20,000 pine trees on this land from 6 to 12 inches in diameter. J. S. Houston, 737 Marquette Bldg., Chicago, Ill.

OWNER WILL SACRIFICE 60 acres in Washington Co., Ala., near Miss. line, right on railroad. One mile from town. Best land in the country for truck raising, tobacco, corn and potato growing; will produce three and four crops a year. All good high land, no swamps; no stones; no blizzards; no long freezes. Land right next to this and no better in any way is selling right now for $17.50 an acre. Will sell at a big sacrifice for quick deal. Write for particulars. J. B. Fentony, Indianapolis, Ind.

Farms Wanted

FARMS WANTED—Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, 71 Palace, Minneapolis, Minn.

TO SELL your property write Northwestern Business Agency, Minneapolis.

Fence Posts and Fencing.

FARMERS MAKE your own concrete fence posts and machine. Easy to make. Cost little. Circular free. John Gustin, Beaverton, Ore.

For Sale—Tobacco

FOR SALE—30,000 pounds best leaf tobacco, 3 and 4 years old. Mail stamps for sample to Anton Wavrin, Franklin, Ky., R. R. No. 5.

For the Home

I WILL GUARANTEE to save you from 20 per cent. to 50 per cent. of the cost of your fuel bill. Guarantee to save you this money if you follow my instructions. If you are a business man you would not turn down this opportunity to make such a rate of interest. Send $1.00 to pay for costs and mailing. Address B. L. DeHaven, Box 312, Bluffton, Ind.

PREMIUMS FREE—Send names and addresses of ten heads of families and receive premiums. Enclose 5 cents for catalogue. Guy W. Mayberry, Newberry, Ind.

RICE. From producer to consumer. 100 pounds, beautiful clean, white table rice, in double sacks, freight prepaid to your railroad station $3.85. J. Ed. Cabaniss, Katy, Texas.

Male Help Wanted

GET A BETTER PLACE—Uncle Sam is best employer; pay is high and sure; hours short; places permanent; promotions regular; vacations with pay; thousands of vacancies every month; all kinds of pleasant work everywhere; no lay-offs; no pull needed, common education sufficient. Ask for free booklet 839, giving full particulars and explaining my offer of position or money back. Earl Hopkins, Washington, D. C.

LOCAL REPRESENTATIVE WANTED.—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big-paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, Suite 511, Marden Bldg., Washington, D. C.

UNCLE SAM WANTS Railway Mail Clerks——Customs House and Internal Revenue Employees. $800 to $1,500. Short hours. Rapid Advancement. Spring Examinations everywhere. Common education sufficient. Write for list of places and dates. Coaching free. Franklin Institute, Dept. E-27-Rochester, N. Y.

Patent Attorneys

"ADVICE AND BOOKS relative to patents sent on request. Beeler & Robb, Patent Lawyers, 60-62 McGill Bldg., Washington, D. C.

PATENTS—All about them and their cost. Send for free books. Shepherd & Campbell, 500 E Victor Bldg., Washington, D. C.

PATENTS THAT PROTECT AND PAY. Advice and books free. Rates reasonable. Highest references. Best results. WATSON E. COLEMAN, Patent Lawyer, Washington, D. C.

PATENTS THAT YIELD RESULTS. Application prosecuted to allowance for $35. Patent secured or fee returned. 72 page book "Patents and Patent Possibilities" free upon request. H. S. Hill, 426-9 Columbian Bldg., Washington, D. C.

Poultry and Supplies

ELMER GIMLIN, Taylorville, Ill., White Wyandotte specialist. Winner at Illinois State Fair, St. Louis, Mo., and Illinois State Show, 1909. Eggs $1.00 to $10.00 per 15; $5.00 per 100. Stock, $2.00 to $25 each. Catalogue free.

NARAGANSETT, Bourbon Red, White Holland, Mammoth Bronze Turkeys. S. Durigg & Son, Armstrong Mills, Ohio.

POULTRY IN OREGON. A splendid booklet on this subject just written by Professor James Dryden of the Oregon Agricultural College. Tells why poultry is especially profitable here. Booklet free for the asking—mention any other line that interests you. 664 Portland Commercial Club, Portland, Oregon.

Produce Commission Merchant

TAKE NOTICE—T. J. Hoover, Phila., Pa., sells poultry, eggs, apples, potatoes, onions, cabbage, carloads and less.

Tobacco Cures

TOBACCO HABIT CURED OR NO COST. Harmless home treatment of roots and herbs. Sure, pleasant, permanent. Send your name now. King Ni-Ko U., Wichita, Kansas.

BUT NO FARMER'S DAY

J. A. EVERITT, Pres.
Farmers Society of Equity.

DEAR SIR:

I have carefully perused the Equity literature received from you in October.

For the life of me I cannot see why farmers do not connect with the Equity proposition more rapidly. I have talked to a number of farmers concerning the Equity plan of handling crops, and to each of them I was presenting something entirely new.

Because of his failure to properly organize, the farmer has been his own worst enemy; and it is high time that he stepped out in the light of Liberty and Prosperity. No political party, no religious organization, will ever give the farmer that which is lawfully his. I believe in teaching farmers to save their souls, but I have a belief paramount to that—teach them to prosper and avoid the grafter. As you are more successful in your endeavor to reach a man's heart, when his stomach is full; so will you be more successful in your efforts to interest a man in his soul's salvation when prosperity is at his door. I cannot see how it is possible for a farmer to sing "Praise God from whom all blessings flow," when he is owned, body, boots and breeches by a gang of grafters whose interest in him is similar to that of the fox for the chicken.

The churches have set apart Children's Day, Mother's Day, Rally Day, etc., and these are all right, but which of the churches ever dreamed of having a Farmer's Day? The man upon whom millions depend for sustanence is signally ignored.

No slave is really happy, and it is unquestionably true that the farmer has been a slave to the market manipulator.

Were Jesus Christ to travel our earth today as in days of yore, he would say to the founder of the Farmers' Society of Equity—"Well done, good and faithful servant, enter thou into the joys of thy Lord. * * * Inasmuch as ye have done it unto the least of these, ye have done it unto me."

I will devote a part of the coming year to Equity work; and if necessary, will resign my pastoral work for a year, to help the farmer escape from the ruinous grasp of the grafting market manipulator.

Please send me full information for organizing local unions and authority for doing the same.

I am a son of the soil, having been raised on an up-to-date Kentucky farm. For the above reasons I am interested in seeing every farm and farmer up-to-date, with an up-to-date market.

Yours for the farmer,

Dec. 7, 1910. REV. E. PATTON, Mendon, Mo.

Dollar-Twenty Wheat

M. E. Hymer.

"Say, neighbor, have you heard the news
That's going round today,
That farmers all have organized
To seek a better way?
They say, what you and I have always known,
That of all industries,
The farmer's is the poorest paid,
Most meager in its fees.
That we of all the artisans
Have least to do or say,
As to the prices on our wares—
We take what others pay.
Now this seems scarcely fair to me,
For when we come to buy,
Our plows and tools, the makers put
The price up good and high.
And we can pay or go without;
They know that soon or late,
We'll have to give them what they ask
So they have but to wait.
We all have felt this most unjust,
But there's no use to whine,
They know they have the power,
And they'll use it every time.
And this the way I've thought it out,
Is just to take their cue,
And hold our products for a price
That seems both fair and true.
Our wheat for instance they must have,
And if we but insist,
They'll have to pay the profits
That we so long have missed.
A dollar-twenty seems small enough
Per bushel for our wheat,
Dollar-twenty at Chicago
Is but Equity complete.
Not larger crops and harder toil
To make our business pay,
But higher prices, Equity,
Is what we need today.
And here's this new Society
Of Equity, I hear,
Which wishes us to organize
The farmers, far and near.
It suits my views just to a T,
And here's my heart and hand,
To work for Equity and right,
Throughout this busy land.

It is coming more and more the practice for farmers to make their own stock foods and conditioners. Every farmer has the filler used, on his own farm or can buy it cheaply. Then the herbs and tonic can be easily added. Why pay freight and pay for bran and salt? Add these yourself. Every farmer should write the Kar BraK Chemical Co., 335 Cortland St., Wellsboro, Pa., for their big $5.00 book and a $1.00 package of Kinetenik all of which will be sent free to teach you how to make your own stock food.

The finest and most handsome calendars always bear the imprint of Raphael Tuck & Sons Co., New York, London, Paris. Look for this name when you buy calendars for 1911, post cards, etc.

BOOKS FOR OUT-DOOR LIFE



Dead Falls and Snares. A book for trappers about these and other home-made traps. The most complete book dealing with home-made traps, their construction and use—facts furnished mostly by "old timers." 232 pages, 84 illustrations. Cloth, 60 Cents.

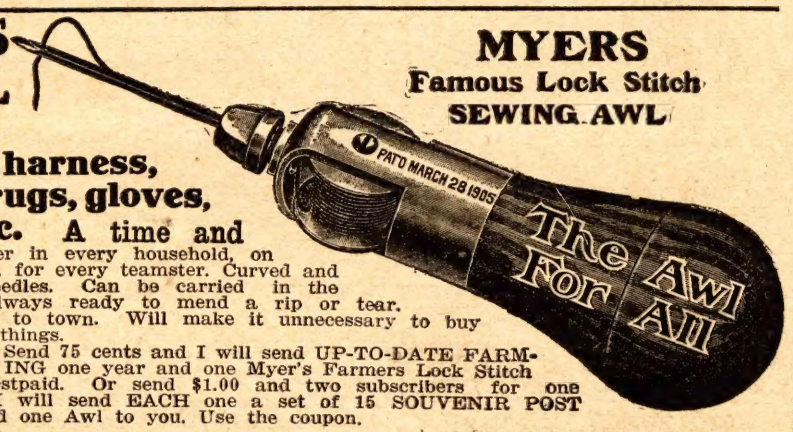
STEEL TRAPS. Describes the different makes and tells how to use them, Also chapters on care of Pelts, etc. 82 chapters of concrete information such as water, tree, stop thief, land, Victor, Hawley and Norton, Double and Web Jaw, Newhouse traps, etc., etc. Cloth, 60 CENTS.

WOLF AND COYOTE TRAPPING. An up-to-date Wolf Hunter's Guide, giving the most successful methods of the experienced "Wolfers" for hunting and trapping these animals. With careful and accurate descriptions of the Wolf and Coyote, illustrating their tracks and explaining their habits. Cloth, 60CTS.

These books sent postpaid upon receipt of price.

Equity Pub. Co., Indianapolis, Ind.

THIS AWL



MYERS
Famous Lock Stitch
SEWING AWL

Sews shoes, harness, belts, rugs, gloves, etc., etc. A time and money saver in every household, on every farm, for every teamster. Curved and straight needles. Can be carried in the pocket. Always ready to mend a rip or tear. Saves trips to town. Will make it unnecessary to buy many new things.

My Offer Send 75 cents and I will send UP-TO-DATE FARMING one year and one Myer's Farmers Lock Stitch Awl all postpaid. Or send $1.00 and two subscribers for one year and I will send EACH one a set of 15 SOUVENIR POST CARDS and one Awl to you. Use the coupon.

J. A. EVERITT, Editor, Up-to-Date,
Indianapolis, Ind.

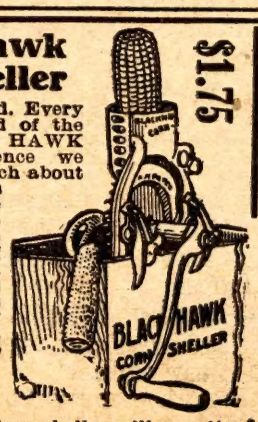
Enclosed is ..... and ..... subscribers. Please send all promised and send me a Myer's Awl as described as a reward.

MY NAME .....

MY ADDRESS .....

Black Hawk Corn Sheller

$1.75



It is the standard. Everybody has heard of the famous BLACK HAWK SHELLER, hence we need not say much about them. This is absolutely the highest grade sheller on the market. Made of best material. Separates cobs from corn. Runs easy. Practically indestructible. Our *Special Price* only

$1.75

A good first-class sheller will save its cost in a week's use.

O. K. SEED STORE, Indianapolis

When writing to advertisers don't fail to mention Up-to-Date Farming.

Six Letters.

Six letters in dispute one day,
Declared that none so great as they
  Appeared in volume, page or text.
E said his place was clearly first,
When Q, though long neglected, durst
  Take his position next.
U jumped up to get position three,
And I as any one may see,
  Sat down by U contented.
T took position next to I
And calling to her lazy Y
  Fair EQUITY presented.
And ever since that blessed day,
These letters have a happy way
  Of standing firm together.
If farmers will this lesson learn
And stand in equity as firm
  They'd greatly help each other.

Winter on the Farm.

Yes, "the frost is on the pumpkin,"
  And the pumpkin's gone to juice,
And the water down the streamlet
  Is going in a sluice.
And everywhere upon the farm
  Things all look dead of late;
But in the house it's cheerful still
  Where folks read UP-TO-DATE.

Housed and Comfortable.

I see the cattle in the shed,
  That recently were in the fields,
And horses stand within the stalls,
  Enjoying quiet meals.
The wind comes round the corner,
  With a chill we fairly hate;
But still we make it comfortable,
  As taught by UP-TO-DATE.

Threadbare and Thrifty

Old Uncle Threadbare has some hens
  That never lay an egg;
But Neighbor Thrifty's scratch and lay
  Enough to fill a keg.
The Thrifty's all read UP-TO-DATE,
  But Threadbare's folks ignore it,
And so their hens refuse to lay,
  Howe'er they may deplore it.

The Cause of Equity.

E. S.

All hail the cause of Equity!
  Let all the nation ring
With glad huzzahs from weakened hearts,
  That blithsome tribute brings,
In honor of the dawn of truth,
  Of Justice fair and right;
For farmers who so patiently,
  Have waited for the light!

That light is swiftly coming now
  It spreads along the way,
And brightens all the world about,
  With its hope giving ray.
Soon, soon the day of right shall glow,
  In splendor through the land,
When every farmer lad shall march
  In Equity's fair band.

The cause of Equity is good;
  It seeks not its own gain,
Against the weak ones of the earth,
  Who toil 'mid want and pain;
It welcomes all within its band,
  The strong as well as weak;
Its motto is, "Co-operate,"
  Each others good to seek.

The cause of Equity is just;
  It lends a helping hand
In lifting up a mighty force;
  The third power in our land.
That is the struggle it may win
  Against foes unafraid,
Who wish to cause its overthrow,
  It needs each farmer's aid.

So farmer, set your brains to work,
  And see what you can do,
Toward spreading far and wide the cause
  Of Equity, most true.
Give time and strength, and even funds,
  To help the cause along,
And win the thanks of countless hosts,
  Oppressed by bitter wrong.

The Two Farmers.

By An Old Organizer.

Farmer Joe was as jolly as jolly can be,
He borrowed no trouble—no, no, not he;
It 'twas cloudy to-day, 'twould be clearer
  to-morrow;
Life was too short to waste it in sorrow.
If the weather was bad and his crops
  wouldn't grow,
"'Twill be better to-morrow," said farmer
  Joe;
If the bugs were too plenty and ate up his
  grain,
"All right," said Joe, "we'll plant it again!"

It was not that my way with Farmer Pete,
He grumbled at all he happened to meet;
'Twas too hot or too cold, too wet or too
  dry—
Things didn't go right, however he'd try.
The pigs got mangy, the hens wouldn't
  lay;
If he hired men to work they were likely
  to play;
He always was careful to plant in the
  moon,
But things wouldn't grow, and he got out
  of tune.
The cold weather came ere he'd hauled any
  wood,
And when for his cattle he'd gather no
  food;
His wife couldn't please him in getting his
  dinner—
In short, farmer Pete was a wretched old
  sinner.
The result may be guessed without any
  telling,
While Pete was around his troubles be-
  wailing,
Farmer Joe laughed and worked, too things
  easy, you see,
And wore proudly the badge of the F. S.
  of E.

Some Difference

"I don't believe any two words in the English language are synonymous."

"Oh, I don't know. What's the matter with 'raise' and 'lift'?"

"There's a big difference. I 'raise' chickens and have a neighbor who has been known to 'lift' them."—*Philadelphia Ledger.*

No Corpse Wanted in the House

"John, jump up; there's a burglar in the kitchen, and I know he's eating all my pies."

"Let him eat, just so he don't die in the house."

A Slight Difference

"I hear your three daughters have become engaged this summer."

"Well, not precisely. It is only the youngest, but she has been engaged three times."—*Meggendorfer Blaetter.*



I INVITE EVERY SUBSCRIBER

to see my new offer of FRIENDSHIP FAVORS Post Cards in this issue. Now that the holiday season will soon be over and Christmas and New Years Cards will no longer be in vogue for your correspondence you will quickly find an urgent need for just the kind of cards in my FRIENDSHIP FAVORS series.

The illustration above in black cannot convey any idea of the richness and beauty of these cards. As near as I can describe this sample it is as follows: The ground is gray shading to brown and a gold border. The rose buds are red but the open roses are pink shading to creamy yellow or white. The stems are brown and red while the leaves are green, of course. The corner where the poem is is not morticed, as shown, but the verse is printed on the gray and brown ground. We had the engraving made this way so the words could be read easily.

But see our offer on page 21.

—J. A. EVERITT, Editor.

Don't Wear a Truss

FREE



STUART'S PLAS-TR-PADS are different from the painful truss, being made self-adhesive purposely to hold the rupture in place without straps, buckles or springs—cannot slip, so **cannot** chafe or compress against the pelvic bone. The most obstinate cases **cured** in the privacy of the home. Thousands have successfully treated themselves without hindrance from work. Soft as **velvet**—easy to apply—**inexpensive.** Process of cure is natural, so no further use for trusses. We **prove** what we say by sending you Trial of Plapao absolutely **FREE.** Write **TODAY.**

TRIAL OF PLAPAO

Address—PLAPAO LABORATORIES, Block 59, St. Louis, Mo.

To Introduce Our Big New

Wonder Telescope Only $1.00



This is a special advertising offer made to introduce our new "Wonder" telescope into every home. Every man, woman and child will get pleasure and profit from one of these big telescopes. Heretofore telescopes of this size have sold for $5 to $8. This is an opportunity that seldom comes to get a really first class guaranteed instrument for a mere trifle of cost. Just think only $1.00. You can't beat it.



A Kansas Farmer Counting Stock Twenty Miles Away

Positively such a good telescope never sold for this price before. These telescopes are made by one of the largest manufacturers of Europe. **It measures closed 12 inches and opens out 3½ feet long,** in five sections, circumference 6 inches. They are brass-bound, brass safety cap on each end to exclude the dust, etc., with powerful lenses, scientifically ground and adjusted. Guaranteed by the maker. No farmer should be without one. Objects miles away are brought to view with astonishclearness.

The "Wonder" Telescope can also be used as a microscope. Complete instructions on the use and care of telescopes with each order. Anyone can use it. Nothing more interesting.

Barrels of Fun Entertaining Your Friends Day or Night

See the stars and moon. Study objects at a distance Each instrument guaranteed to please or your money wil be refunded.

Don't take our word for it. Read the unsolicited testimonials. Write these people if you want to. Thousands have been sold and thousands are surprised and delighted.

I wish all to know how satisfactory the "Wonder" Telescope is. Our farm is on the highest point in the surrounding country. From our place we can see with the aid of the Telescope over into the Kansas Indian Reservation nearly 20 miles, count the cattle and tell a horse from a cow; can see a large ranch 17 miles east that cannot be seen with the naked eye; can see the color and count windows with the Telescope.—F. G. Patton, Arkansas City, Kan.

Received telescope last Friday. It is a dandy and I am well pleased with it. I can easily see 10 miles with it.—W. E. Dickerson, Jr., Chatham, Mass.

I received the telescope alright. It is just as you advertised.—George H. Burton, Waterville, N. Y.

I received the telescope sent me and thank you ever so much. I was very much pleased with it.—M. Mannel Gabriel, Paanilo, Hawaii.

Enclosed find remittance for two more telescopes. These are for two different parties. I showed them mine and they were so taken with it that they wanted one. I am well pleased with it.—J. F. Powell, McCune, Kans.

My neighbors are worrying me to death to get one like it.—Jas. W. Raines, Sedalia, Mo.

Looked at Price Mountain which is 20 miles from here and could see birds flying around it. My friends want to buy.—Merrill Ellis, Griffin, Ga.

It is far beyond expectations and exactly as you represented. I made light of your ad at first but am glad now I sent for telescope. I wouldn't take $5.00 for it if I couldn't get another—O. G. Folk, Elk Lick, Pa.

It certainly is the greatest magnifier I ever saw for $1.00. Live two miles from the city and can almost read the time on the church clock. Have some young cattle in pasture ½ mile away and now can save many a walk over there—Andrew N. Verhalen, Burlington, Wis.

I am well pleased with my telescope. It is really finer than I expected.—Bruce H. Beem, Spencer, Ind.

It is a dandy and all you claimed for it.—Carl A. Erickson, Arpin, Wis.

I am thoroughly satisfied with the telescope. I am proud to own it.—Arthur Prange, Lunridge, Wis.

I think it is wonderful value for the price.—C. W. Nelson, New Denver, B. C.

I can say every time it is worth $10.00 to me. I can see cattle at 15 miles and can see a nickel at 600 yards.—Tervis S. Sepeda, Morgan Hill, Calif.

It is certainly a wonder. I am very much pleased.—Victor Parochini, Oakley, Calif.

Worth more than I paid.—Earl Sheaffer, New Bloomfield, Pa.

I did not expect to get one like it. My friends are pleased.—Michael Wessman, Jr., Blue Island, Ill.

Worth the money I paid and more.—Otto Louneborne, Hettick, Ill.

Telescope finest thing I ever had.—Chester Honsen, Meriden, Ga.

Thoroughly satisfied. I could not miss it now.—Arthur Prange, Tuneridge, Wis.

It is just what you recommended it to be.—Chas. W. Bloom, Olanta, Pa.

No matter what you think about the price, you will be surprised with the "Wonder" Telescope; everybody is.

Guaranteed to Please You or Your Money Back

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